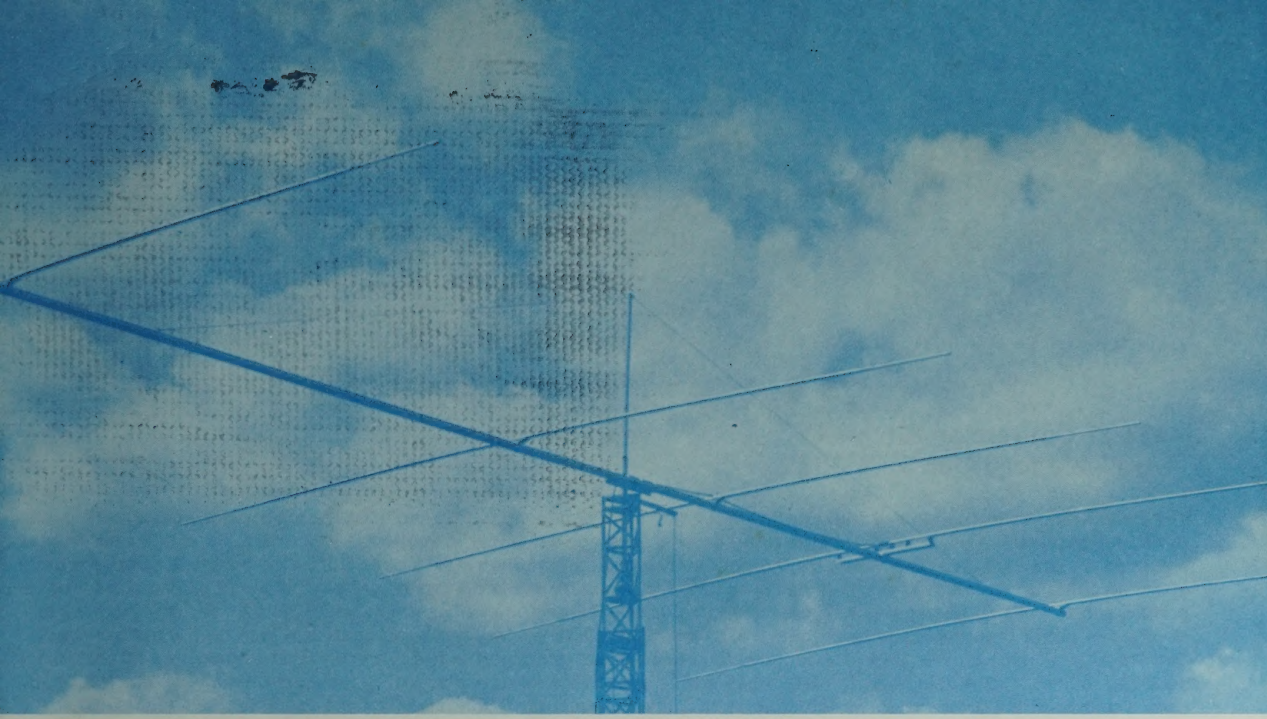

MOSLEY...

"A BETTER ANTENNA..."

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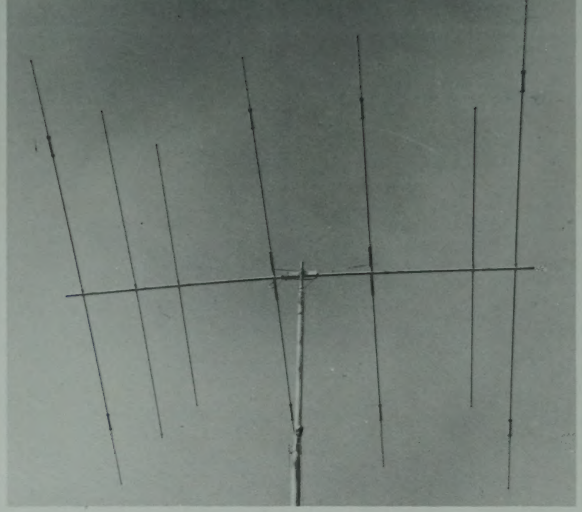
NEW!



MODEL Pro-37

We have not just added another element

Pro-37 Conversion Kit
Available for TA-36 & CL-36

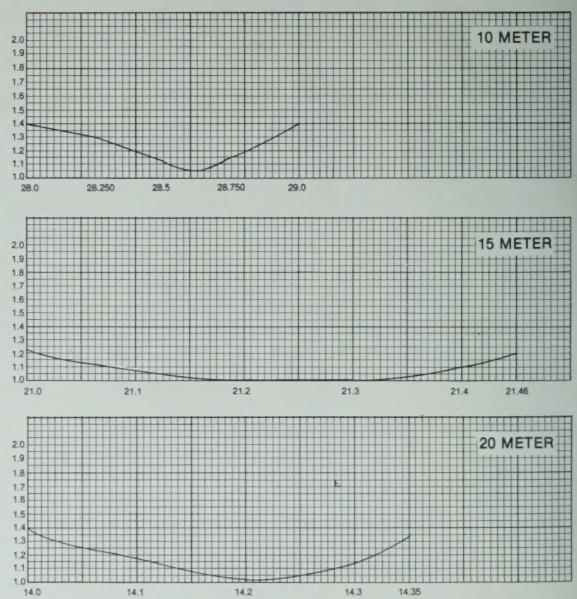
The Pro-37 follows in the Mosley tradition of high performance, dependability, and quality construction. The Pro-37 is pre-drilled for easy assembly. No adjustments or measuring. Average assembly is about 1½ to 2 hours. As with all the Mosley antennas we use stainless steel hardware throughout. Rugged construction makes our antenna the cleanest, strongest of its class, no cluttered elements or boom to cause electrical and mechanical problems down the road. Put it up and leave it up. In performances it has no peers...It is as broadbanded or broader banded than any antenna made. Its gain and front to back is as good or better than other antennas in its class, even those with longer booms. Mechanically we feel it's the best built. The Pro-37 has 7 elements on a 24 foot boom which needs no boom support. It has 3 wide spaced elements on 20 and 15 not counting the extra driven element. 10 meters has 4 wide spaced elements not counting the extra driven element. The Pro-37 uses a unique direct feed system which enables the driven elements to contribute gain to the antenna, while giving it the broadest possible frequency spectrum. Clean design makes the antenna easy to assemble and erect and solves maintenance problems. No clutter on the elements or boom. The Pro-37 uses the proven Mosley traps which on the Pro-37 will handle 2.5 KWDC out on C.W. and 5 KWPEP on SSB.
We're quite excited about the Pro-37 and we know you will be too!

Used by KØVUW in the 1983 Radiosport Championship who placed 4th W/VE phone only.

NEW BROADBANDED TRI-BANDER

Compare Ours Before Buying

MODEL		PRO-37
FORWARD GAIN	10	10.9 DBD
	15	8.9 DBD
(Reference Dipole)	20	8.5 DBD
FRONT-TO-BACK RATIO		25+ DBD
POWER RATING	CW	2.5 KWDC
	SSB	5.0 KWPEP
FEED POINT IMPENDANCE		52 Ohms
RECOMMENDED TRANSMISSION LINE		RG-8/U
VSWR (1.5/1 or better)		1.5/1
MATCHING SYSTEM		MOSLEY
NUMBER OF ELEMENTS		7
MAXIMUM ELEMENT LENGTH		29.9
BOOM LENGTH		24′
RECOMMENDED MAST SIZE		2″
TURNING RADIUS		19′8″
WIND SURFACE AREA (in sq. ft.)		13.1 sq. ft.
WIND LOAD (EIA STD. 80 MPH)		250 lbs.
ASSEMBLED WEIGHT (approx.)		81 lbs.
SHIPPING WEIGHT (approx.)		86 lbs.



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TA-33 SERIES

STILL THE

MOST COPIED

BROADBAND TRI-BANDER

MADE

IT HAS NO PEERS!

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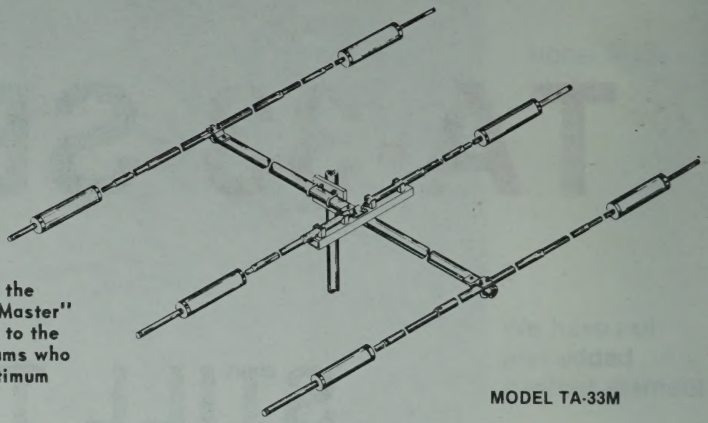
NOW ALL THESE ANTENNAS ARE UPS SHIPPABLE!

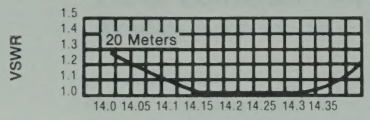
Trap Antennas

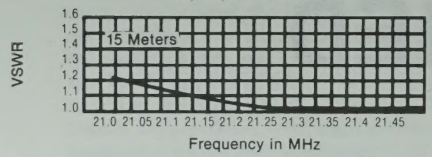
TRAP MASTER

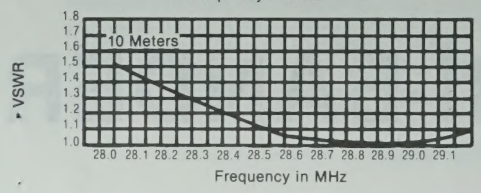


MODEL TA-33M

Hams who work both Phone and CW will appreciate the broad bandwidth characteristics of the MOSLEY "Trap-Master" Excellent performance from one end of each band to the other end is obtained without retuning the beam. Hams who work only Phone or CW can assemble their beam for optimum performance on either. Rated to take a full KW.







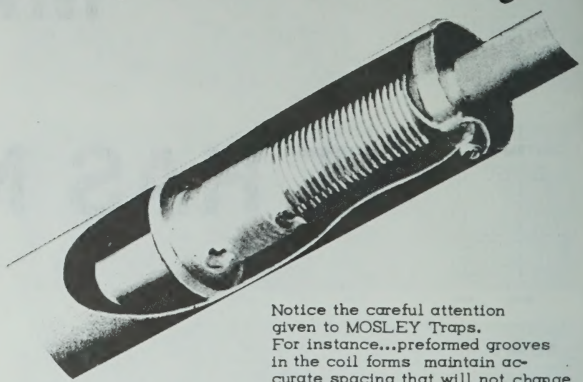
MODEL		TA-33
Forward Gain on 15 mtr.	reference dipole	8.1 db
	isotropic source	10.1 db
Fron-to-back Ratio		25 db
Power Rating	AM/CW	1 KW
	P.E.P. SSB input to the final	2 KW
Feed Point impendance		52 Ohms
Recommended Transmission Line		RG-8/U
VSWR at Resonance (1.5/1 or better)		1.5/1
Matching System		Mosley
Number of Elements		3
Maximum Element Length		28 ft.
Boom Length		14 ft.
Recommended Mast Size		1½ or 2in O.D.
Turning Radius		15 ft. 6 in.
Wind Surface Area (in sq. ft.)		5.7 sq. ft.
Wind Load (EIA standard 80 MPH)		114 lbs.
Assembled Weight (approximately)		38 lbs.
Shipping Weight (approximately)		41 lbs.

A truly great advancement in trap construction and design is yours in the New MOSLEY "Trap-Master"!
Such advanced features as aluminum enclosed, weather-tight coils, sealed with carbon-activated polyethylene caps that never rot or crack due to exposure in sun or rain. Coils that are space-wound with No. 10 wire, on preformed polystyrene coil forms. These are fixed-tuned coils that never require tuning or adjusting.

"Trap-Master" performance on all bands-10, 15 or 20 meters is excellent. The forward gain is 8db., SWR 1.5/1 and front to back is 25 to 30db. Rigid, aluminum construction throughout provides a sturdy beam that defies metal fatigue, yet is lightweight, just 40 lbs. Maximum element length is 28 ft., mounted on a 14'x1½" OD aluminum boom. The turning radius is 15.5 ft. The MOSLEY "Trap-Master" is designed to be fed with a single 52 ohm coax line, RG-8/U is recommended.

This is 3-band operation at a LOW price...a price within the reach of all Hams!

In "Trap-Master" it's the design!



Notice the careful attention given to MOSLEY Traps. For instance...preformed grooves in the coil forms maintain accurate spacing that will not change in inductive value...oversized element sections that are an integral part of the condensers. These are small but important details found only in "Trap-Master" design!

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TRAP MASTER BEAM ANTENNAS

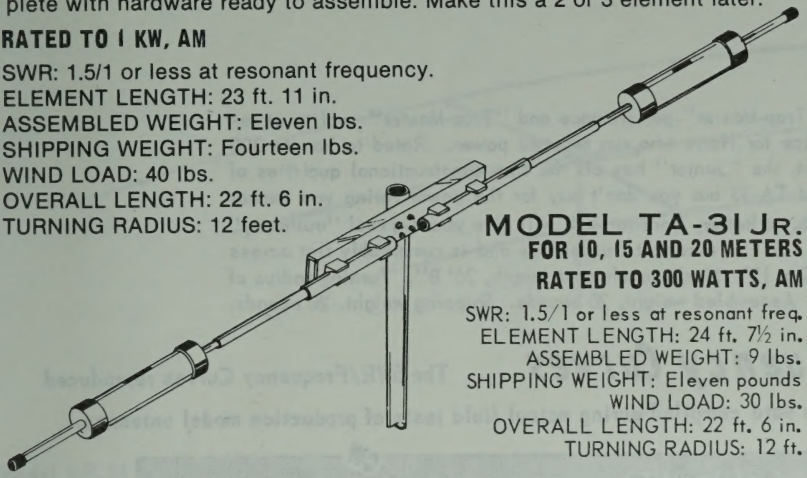
Mosley Electronics Inc.

MODEL TA-31 FOR 10, 15 AND 20 METERS

This is the antenna for the ham wanting to begin with an inexpnsive three band dipole and build into the famous TA-33 or TA-3340 'Trap-Master' beams. TA-31 is the radiator element for the model TA-33 beam. Antenna comes complete with hardware ready to assemble. Make this a 2 or 3 element later.

RATED TO 1 KW, AM

SWR: 1.5/1 or less at resonant frequency.
ELEMENT LENGTH: 23 ft. 11 in.
ASSEMBLED WEIGHT: Eleven lbs.
SHIPPING WEIGHT: Fourteen lbs.
WIND LOAD: 40 lbs.
OVERALL LENGTH: 22 ft. 6 in.
TURNING RADIUS: 12 feet.



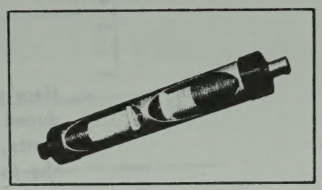
MODEL TA-31 JR.

FOR 10, 15 AND 20 METERS

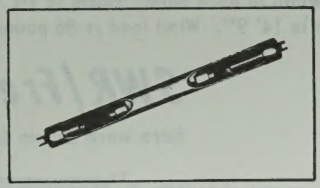
RATED TO 300 WATTS, AM

SWR: 1.5/1 or less at resonant freq.
ELEMENT LENGTH: 24 ft. 7½ in.
ASSEMBLED WEIGHT: 9 lbs.
SHIPPING WEIGHT: Eleven pounds
WIND LOAD: 30 lbs.
OVERALL LENGTH: 22 ft. 6 in.
TURNING RADIUS: 12 ft.

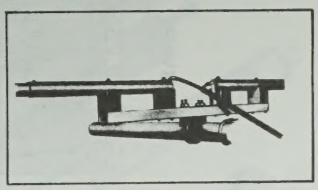
TA-31 Jr., the radiator element of the TA-33 Jr., is just the beginning of the ultimate in low power beams. Antenna operates as a rotatable dipole on three bands. The "Junior" represents a small investment toward obtaining the famous three element Trap-Master Jr. beam or the New MP-33 Tig-Array beam.
Antenna comes complete with hardware and ready to assemble.



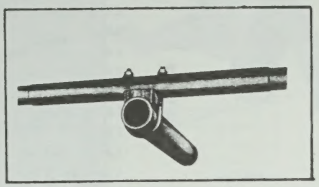
Famous Mosley All-metal encased traps were developed for use in World-Famous Trapmaster beams such as the TA-33.



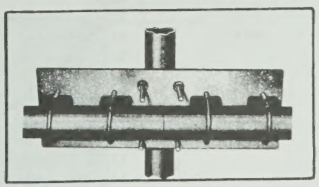
The Junior traps are made of identical materials as the TA-31 but are smaller in size for reduced power requirements.



Beam is fed by connecting the line directly to the open center of the radiator.



MOSLEY quality antennas incorporate stainless steel hardware known to survive the rigors of climate, long use.



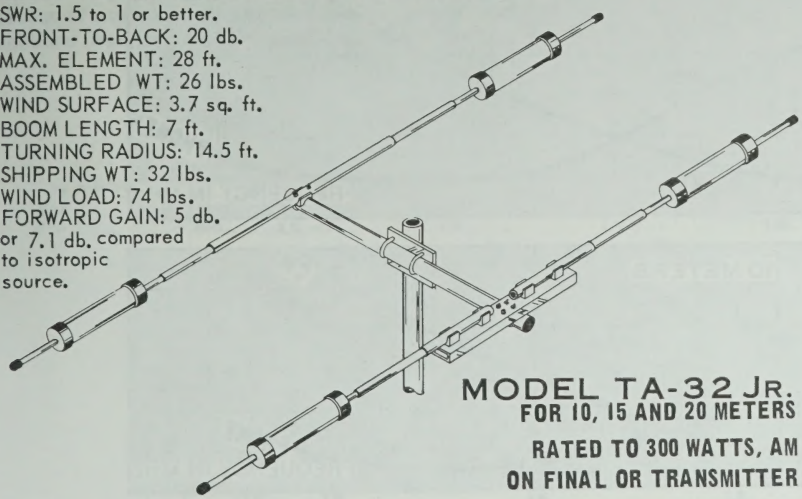
Mosley U bolts hold antenna mast securely.

MODEL TA-32 FOR 10, 15 AND 20 METERS

TA-32, two element version of the World Famous Mosley TA-33 "Trap-Master" beam. The broadband design features top efficiency on each band 10, 15 and 20 meters. May be converted to TA-33.

RATED TO 1 KW, AM ON FINAL OF THE TRANSMITTER

SWR: 1.5 to 1 or better.
FRONT-TO-BACK: 20 db.
MAX. ELEMENT: 28 ft.
ASSEMBLED WT: 26 lbs.
WIND SURFACE: 3.7 sq. ft.
BOOM LENGTH: 7 ft.
TURNING RADIUS: 14.5 ft.
SHIPPING WT: 32 lbs.
WIND LOAD: 74 lbs.
FORWARD GAIN: 5 db. or 7.1 db. compared to isotropic source.



MODEL TA-32 JR.

FOR 10, 15 AND 20 METERS

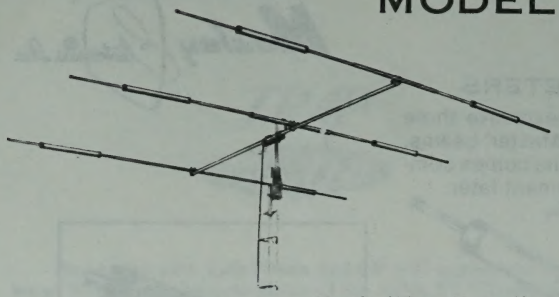
RATED TO 300 WATTS, AM ON FINAL OR TRANSMITTER

Two element "Trap-Master Jr." features 5 db. gain or 7.1 db. compared to isotropic source, and 20 db. front-to-back. Weighs just 14 lbs. TA-32 Jr. has turning radius of 13 ft. 9 in. The boom length is 6 ft. Maximum element length is 26 ft. 8 in. Wind load is just 62 lbs. Shipping weight, only 22 lbs. Will convert to TA-33 Jr.

MODEL TA-33 JR.

for 10, 15 and 20 meters.

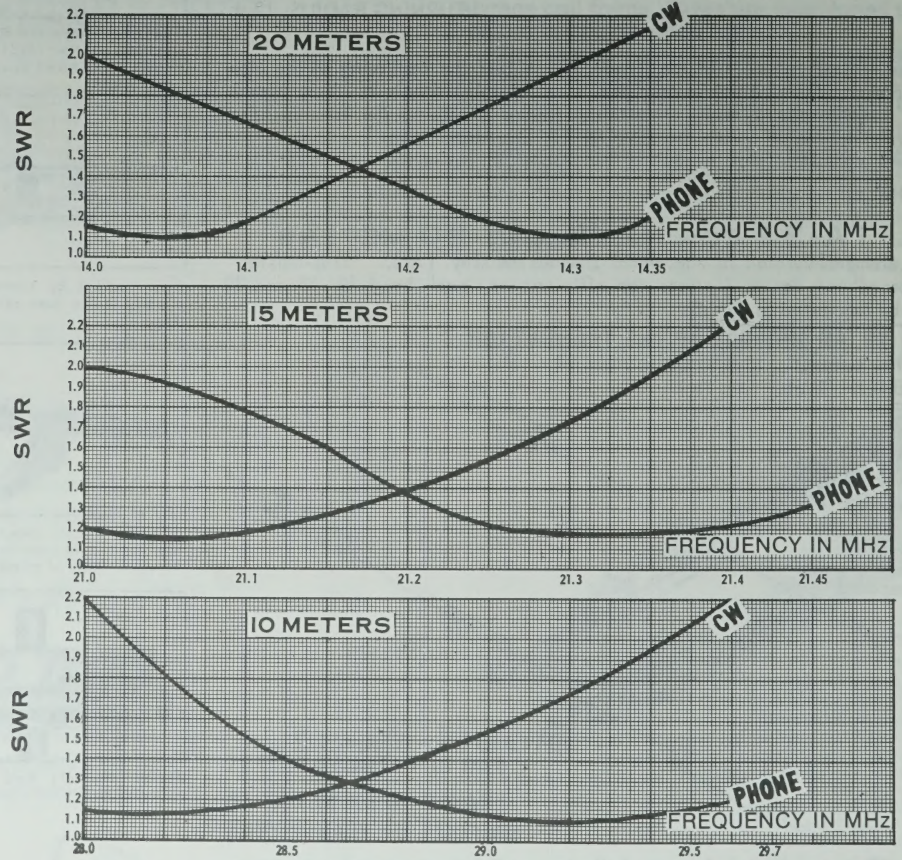
TRAP MASTER



Here's "Trap-Master" performance and "Trap-Master" quality at reduced price for Hams who run reduced power. Rated to handle 300 watts, AM, the "Junior" has all the fine constructional qualities of the famed TA-33 but you don't pay for the power rating you cannot use! Up to 8 db. forward gain with 25 db. or better, front-to-back will give your rig real "authority" on the bands. SWR is usually less than 1.5/1 at resonant frequencies and is remarkably flat across full width of each band. Boom is 1¼" OD x 12'. Maximum element length, 26' 8". Turning radius of beam is 14' 9". Wind load is 86 pounds. Assembled weight, 20 pounds. Shipping weight, 28 pounds.

SWR/Frequency Curves

The SWR/Frequency Curves reproduced here were drawn from data compiled during actual field tests of production model antennas.



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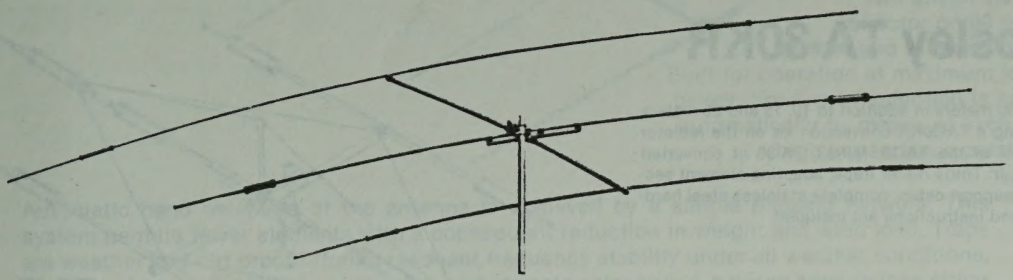
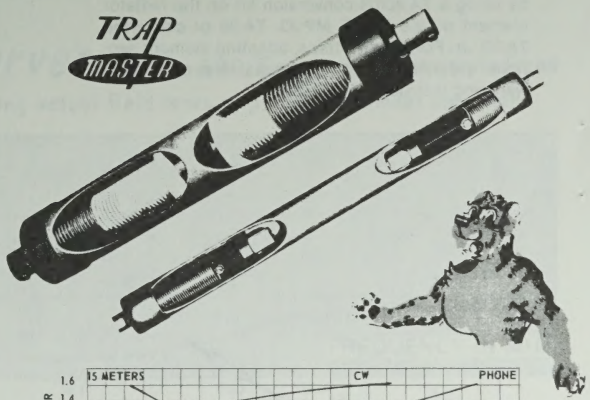
TIG-ARRAY...MULTI-BAND BEAM

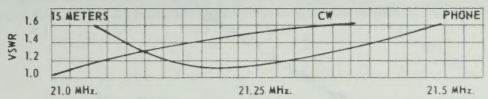


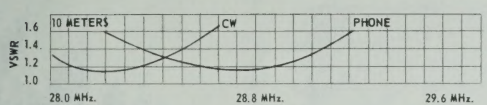
- Model MP-33
- 3 Elements
- 10.1 db Forward Gain (over isotropic source) on all bands
- 20 db Front-to-Back Ratio on all bands

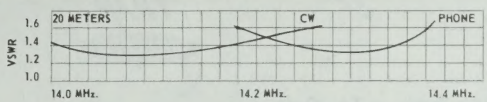
The Mosley MP-33, Tig-Array incorporates Mosley famous metal encased Trap-Master Junior and Senior traps. The element center sections are made of double thickness aluminum to reduce sag. Boom requires no bracing. Feed with RG-8/U, 52 ohm coax. Handles optimum SSB power and medium CW power. This beam for 10, 15 and 20 meters is power rated for 750 watts AM/CW and 2000 watts P.E.P. on SSB. Priced at a fraction of expected cost. Use on 40 meters without affecting electrical characteristics of beam with TA-40KR kit.

TIG-ARRAY...10, 15 & 20 Meters









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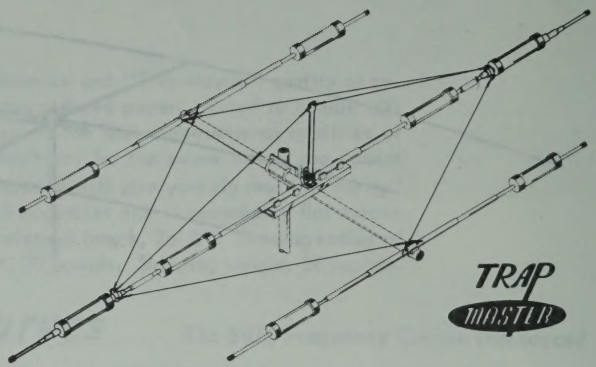
Multi-Band Conversion Kits

For TA-33 Series

Add 30 Meters

Mosley TA-30KR

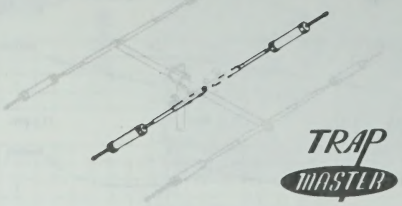
Work 30 meters in addition to 10, 15 and 20 meters by using a TA-30KR conversion kit on the radiator element of the TA-33, MP-33, TA-36 or converted TA-33, Jr. Thirty meter traps, adapting element sections, support cable, complete stainless steel hardware and instructions are included.



Add 40 Meters

Mosley TA-40KR

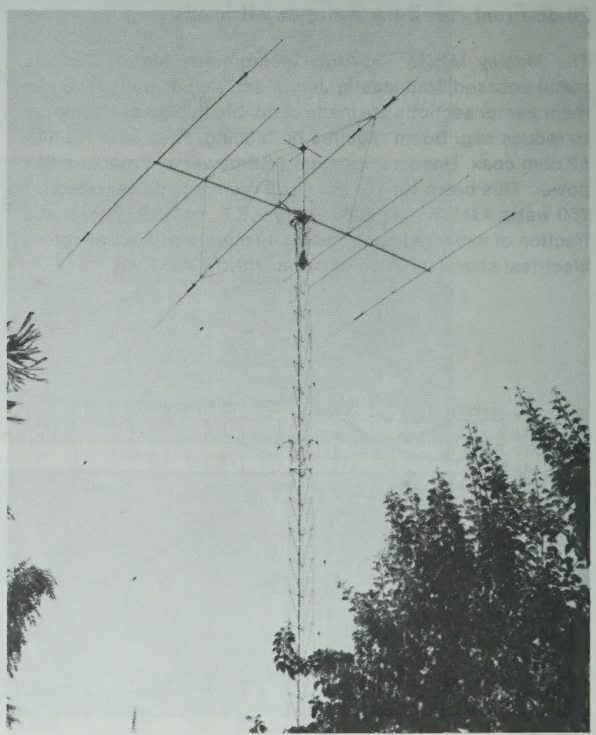
Work 40 meters in addition to 10, 15 and 20 meters by using a TA-40KR conversion kit on the radiator element of the TA-33, MP-33, TA-36 or converted TA-33, Jr. Forty meter traps, adapting element sections, support cable, complete stainless steel hardware and instructions included.



Add Power to TA-33 Jr.

Mosley MPK-3

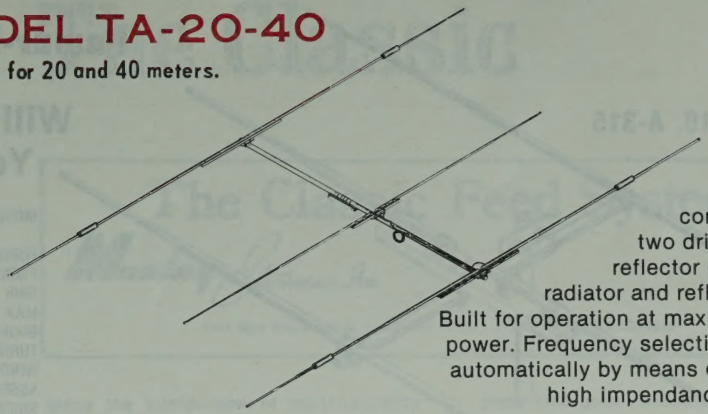
Owners of the Mosley TA-33 Jr. may obtain higher power without buying an entirely new antenna. The addition of the MPK-3 (power conversion kit) converts the TA-33 Jr. into essentially a new antenna with 750 watts AM/CW and 2000 watts P.E.P. SSB. Conversion to 30 or 40 meters is available.



MODEL TA-20-40

for 20 and 40 meters.

TRAP MASTER



Want A Big Performer For 40-20?

The 3-element configuration employs two driven elements and a reflector on 20 meters, and a radiator and reflector on 40 meters. Built for operation at maximum legal amateur power. Frequency selection is accomplished automatically by means of exclusive design, high impendance parallel-resonant, "trap-circuits".

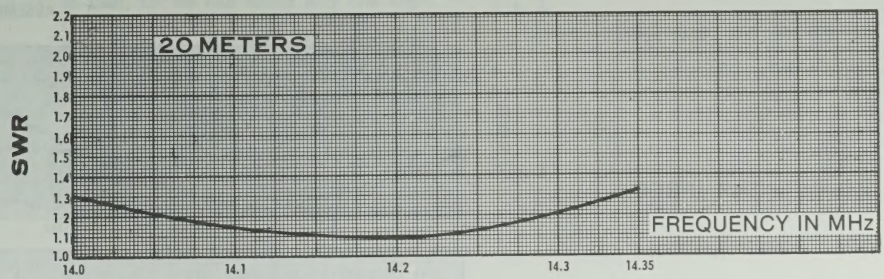
Automatic band selection of the antenna is achieved by a simple phasing network. This system permits fewer elements with a consequent reduction in weight and wind load. Traps are weather and dirt proof offering resonant frequency stability under all weather conditions. Holes are factory predrilled and element components color coded. a tilting head swings either end of the boom down to permit assembly of antenna on the mast. Just one coaxial feed-line is needed. 52 ohm, RG-8/U is recommended. Fully rust proof.

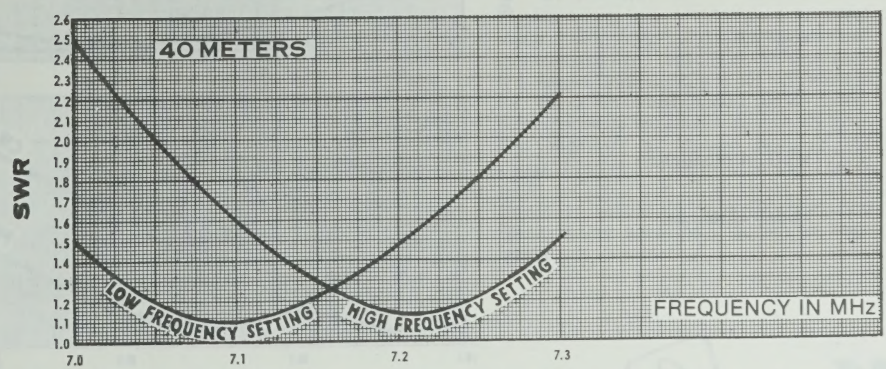
SPECIFICATIONS and PERFORMANCE DATA: Forward gain on 20 meters is 8.5db-on 40 meters the forward gain is 5.3db. SWR is 1.1/1 or less, at resonant frequencies. Antenna weight (with tilting head) is 150 lbs. The boom is 2-7/8" x 20 feet. Maximum element length is 54'8". The turning radius is 29 feet. Wind load (EIA Standard) 405 pounds.

4 element "20" and 3 element "40" is also available - Boom is 36'. Gain on 20 is 9.6 DBD. Gain on 40 is 7.3 DBD.

SWR / Frequency Curves

The SWR/Frequency Curves reproduced here were drawn from data compiled during actual field tests of production model antennas.





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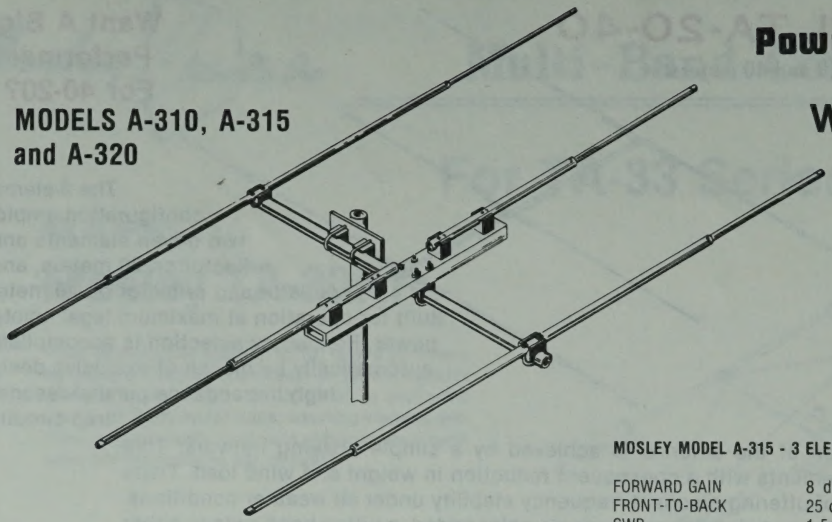
Power-Master Antennas

MODELS A-310, A-315 and A-320



Will Custom Make To Your Dimensions

MOSLEY MODEL A-310 - 3 ELEMENT - 10 MTRS.

FORWARD GAIN	8 dbd
FRONT-TO-BACK	25 db
SWR	1.5/1 or better
MAX. ELEMENT LGTH.	18ft. 7in.
BOOM	12ft. x 1¼in. O.D.
TURNING RADIUS	11ft. 1in.
WIND LOAD	69lbs.
ASSEMBLED WEIGHT	25lbs.
SHIPPING WEIGHT	33lbs.

MOSLEY MODEL A-315 - 3 ELEMENT - 15 MTRS.

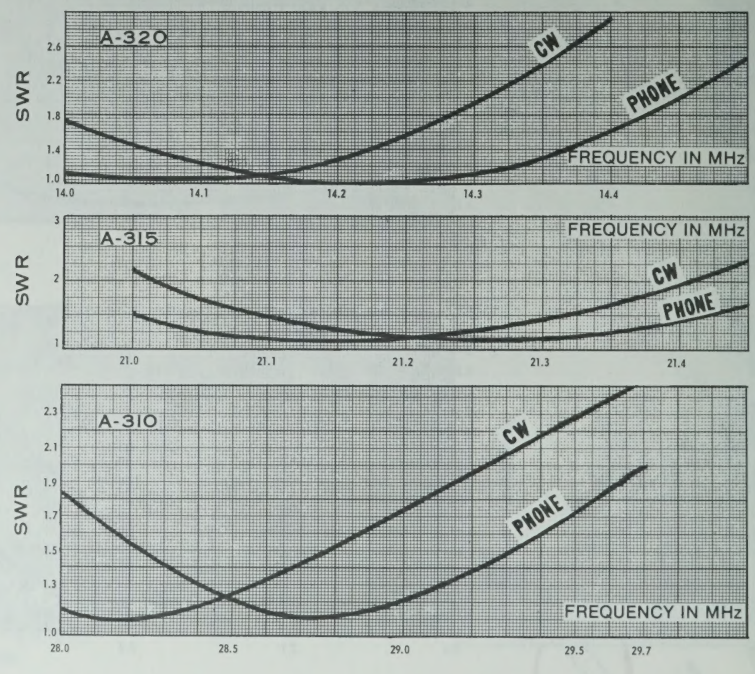
FORWARD GAIN	8 dbd
FRONT-TO-BACK	25 db
SWR	1.5/1 or better
MAX. ELEMENT LGTH.	23ft. 4in.
BOOM	12ft. x 1¼in. O.D.
TURNING RADIUS	13ft. 2in.
WIND LOAD	87lbs.
ASSEMBLED WEIGHT	26lbs.
SHIPPING WEIGHT	34lbs.

MOSLEY MODEL A-320 - 3 ELEMENT - 20 MTRS.

FORWARD GAIN	8 dbd
FRONT-TO-BACK	25 db
SWR	1.5/1 or better
MAX. ELEMENT LGTH.	35ft. 4in.
BOOM	14ft. x 1½ x .125
TURNING RADIUS	18ft. 9in.
WIND LOAD	200lbs.
ASSEMBLED WEIGHT	34lbs.

"Power-Master" Beams are full sized arrays, each designed for operation on a single band -- Mosley a-310, ten meter three element, Mosley A-315, fifteen meter three element or A-320, twenty meter three element. Supperlative performance and construction characterizes each beam to insure satisfaction under the most adverse conditions. Antennas are 100% rust proof. Stainless steel hardware, high impact polystyrene insulators with aluminum elements & boom will provide many additional years of trouble-free operation. Low SWR over entire bandwidth. Maximum gain on all bands with an operating capacity well over 1 KW. All "Power-Master" antennas are fed with 52 ohm coax using the famous Mosley Match.

The SWR / FREQ. curves reproduced here were drawn from data compiled during actual field tests of production model antennas.



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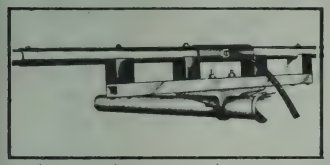
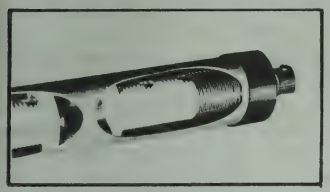
The Classic

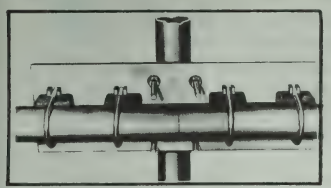
Classic Features



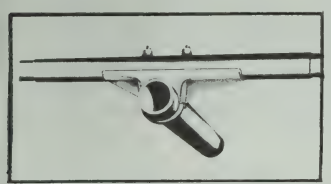
Mosley introduces a revolutionary new beam matching system "broad band capacitive matching"... balanced element is coax fed. Type N connectors supplied.



Famous Mosley All-metal encased traps were developed for use in World-Famous Trapmaster beams.



Beam features improved boom to element clamping through stronger clamping blocks and revised clamping methods.



Mosley Trap-Master beams incorporate stainless steel hardware known to survive the rigors of climate, long use.

The Classic Feed System

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Since the introduction of multi-frequency beams, the method of feeding such antennas has been a subject of much disagreement. When these antennas were introduced Mosley Electronics ran a series of advertisements in the technical magazines explaining the method used on our Trap-Master and Power-Master series. Since that time we have tried a wide variety of feed systems endeavoring to improve on the systems.

TESTING OTHER FEED SYSTEMS

In testing, we found a 3-band gamma system ineffective without isolation networks which resulted in a feed system cost about equal to the antenna cost; with a system using a hairpin, the cost proved low but the system did not provide a better match than the original Mosley Matching System. It became quite clear to us that the Mosley system was hard to beat, for we had found only one slight disadvantage: the elements needed to be stagger tuned to raise the feed point resistance from about 30 to 50 ohms. This slight detuning, which proved advantageous in increasing the bandwidth, brought about, in turn, a slight gain loss of about 0.5 to 1.0 db. at resonance.

THE CLASSIC SYSTEM

In order to give hams a choice in beam matching systems and an antenna featuring maximum gain with increased bandwidth, we devised the matching method used on our new Classic antenna-Balanced Capacitive Matching (Patent Approved)-a method which takes advantage of the principle that antenna resistance at the center driving point increases as the antenna length increases. Figure No. 1 shows the radiator element of a three-element beam at resonance having an impendance at the driving point (ZA) of about 30 + JØ ohms. If the element is made longer, ZA can be raised to about 50 – J5O ohms (Figure No. 2). Since the reactance is inductive, it can be cancelled with a series capacitor of 50 ohms reactance, leaving 50 ohms feed point resistance (Figure No. 3). Series capacitors used on the Classic antennas are made by inserting a suitable length of heavily insulated wire into each half of the element tube at the center. The wires are terminated in a plastic tube enclosure with a type "N" connector for connection of the coaxial cable. To isolate the outer coax conductor from ground, the coax line is coiled for a few turns near the antenna end. This is designed to prevent the very unlikely effect of "Feed Line Radiation."

Fig. 1.

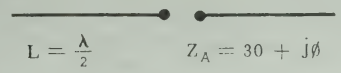


Fig. 2.

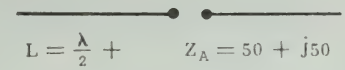
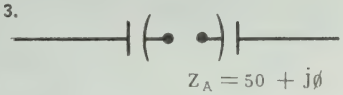


Fig. 3.

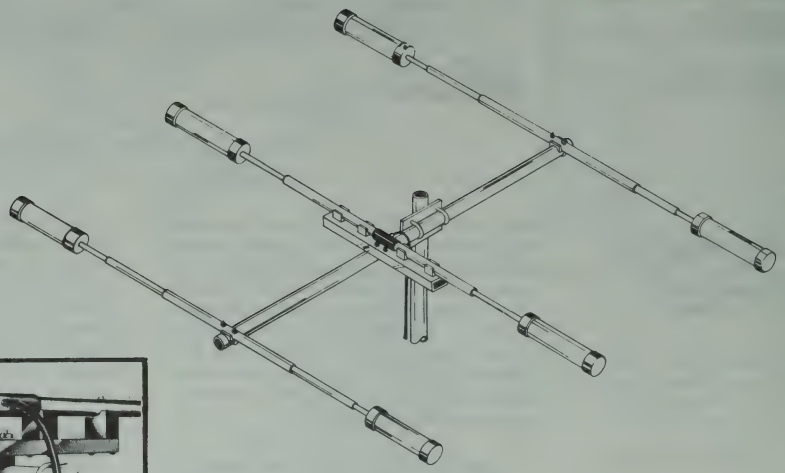


CONVERSION TO OTHER BANDS

Classic beams are not designed for 30/40 meter or other conversions. The Classic Feed System has a fixed capacity which is not easily changed. This capacity is not high enough for the antenna to operate on 40-meters without making the lement excessively long. The engineers at Mosley designed the Classic Feed to give the ham increased bandwidth and extra gain on all bands. It is our conviction that discriminating DX'ers will find these beams specifically suited for their needs.

The Classic 10 · 15

10, & 15, Meter TRAP MASTER Beam



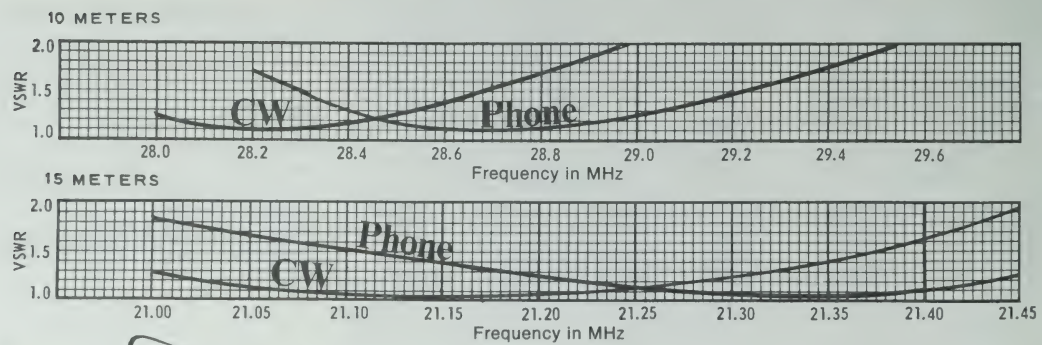
The Classic 10-15 also uses Balanced Capacitive Matching, a matching method which takes advantage of the principle that antenna resistance at the center driving point increases as the lement length increases. Type SO-239 or N connectors supplied.

Joining the Trap-Master family of beams is the New Classic 10-15 beam, featuring the newest type of matching system....Balanced Capacitive matching. This 10-15 meter beam incorporates 'weather proof' metal encased traps used in all Trap-Master beams, and also has the same rugged construction. Fits up to 1½″ or 2″ mast and may be turned with most medium-duty Ham rotors.

WIND LOAD (80 MPH EIA Std.) 114 lbs.
WIND SURFACE: 5.67 sq. ft.
ASSEMBLED WEIGHT: 27½ lbs.
SHIPPING WEIGHT: 32½ lbs. Approx.
MATCHING: Balanced capacitive matching. 52 ohm
POWER RATED: 1 KW AM/CW, 2 KW P.E.P. SSB input to the final

FORWARD GAIN: 8 db. compared to reference dipole, 10.1 db. over isotropic source
FRONT-TO-BACK: 20 db. or better
STANDING WAVE RATIO: 1.5/1 or better
MAXIMUM ELEMENT LENGTH: 20 ft. 1 in.
BOOM LENGTH: 12 ft.
TURNING RADIUS: 11 ft. 7 in.

BEAM IS NOT DESIGNED FOR 40 METER OR OTHER CONVERSION.



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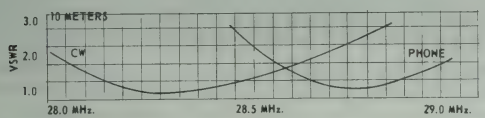
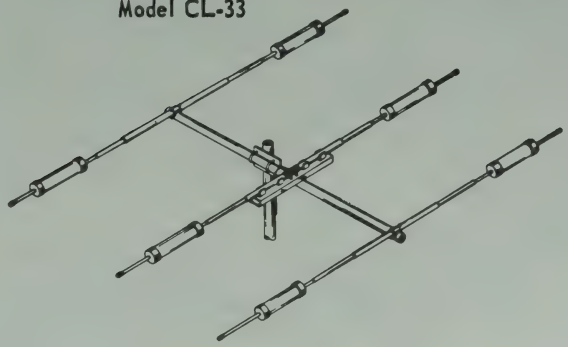
The Classic ... MULTI-BAND BEAMS

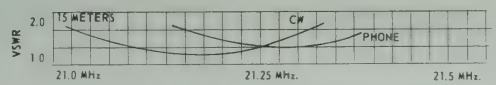
3 Elements
10.1 db Forward Gain (over isotropic source) on all bands.
20 db Front-to-Back Ratio on 15 & 20 meters, 15 db on 10 meters.

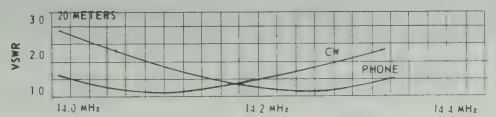
BRIDGING THE GAP ... The Classic 33, combines the best of two Mosley systems. Incorporating Mosley Classic Feed System for a "Balanced Capacitive Matching" system with a feed point impedance of 52 ohms at resonance, and the Famous Mosley 'Trap-Master' Traps for "weather-proof" traps with resonant frequency stability. This extra sturdy multi-band beam, Model CL-33, for operation on 10, 15 & 20 meters features improved boom to element clamping, stainless steel hardware, balanced radiation and a longer boom for even wider element spacing. Power Rating - 2 KW P.E.P. SSB. Recommended mast size - 2" OD. Wind Load - 120 lbs. at 80 MPH. Approx. shipping weight - 45 lbs.



CLASSIC-33...10, 15 & 20 Meters
Model CL-33







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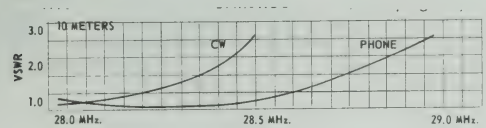
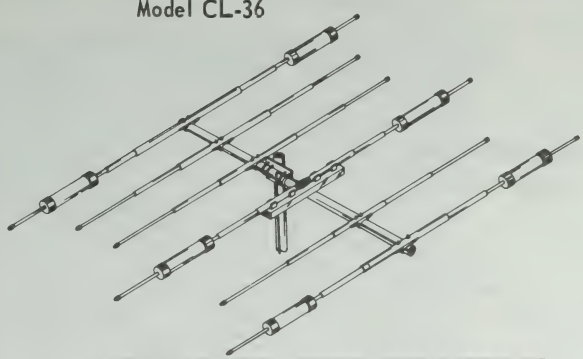
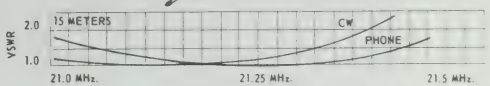
6 Elements
10.1 db Forward Gain (over isotropic source) on 15 & 20 meters, 11.1 db on 10 meters.
20 db Front-to-Back Ratio on all bands.

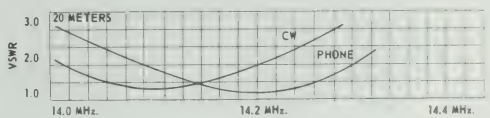
The Classic 36, like the smaller Classic 33, incorporates both the Mosley World-Famous Trap-Master Traps and the Mosley Classic Feed-System. Designed to operate on 10, 15 & 20 meters, this multi-band beam Model CL-36, employs the high standards of quality construction found in all Mosley products. The boom-to-mast clamping assures stability with a time-tested arrangement of mast plate, cast aluminum clamping blocks and stainless steel U-bolts. The exclusive "Balanced Capacitive Matching" system has a feed point impedance of 52 ohms at resonance. Wind Load - 210 lbs. at 80 MPH. . Power Rating - 2 KW P.E.P. SSB. Recommended mast size - 2" OD. Approx. shipping weight - 71 lbs. via truck.



CLASSIC-36...10, 15 & 20 Meters
Model CL-36







"CL-36 and TA-36 Can Be Converted To PRO-37"

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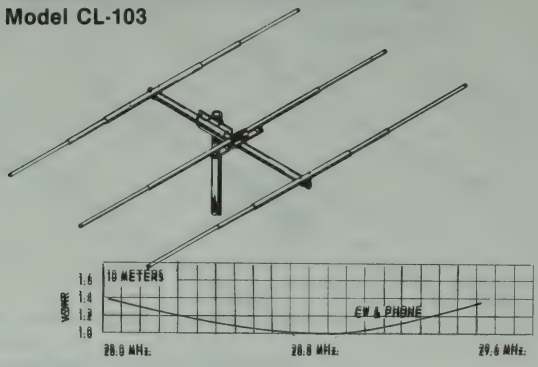
The Classic. . SINGLE BAND BEAMS

CLASSIC 103...10 Meters

Model CL-103

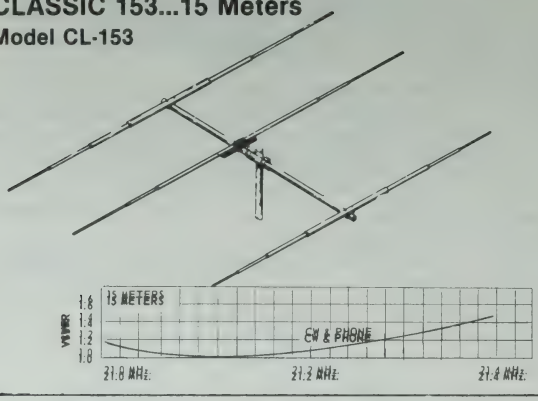


10.1 db Forward Gain (over isotropic source)
20-25 db Front-to-Back Ratio

Incorporating the Mosley patented Classic Feed System, this full size 10 meter single-band beam has "swaged" elements wide spaced on a 12′ boom. Maximum element length - 18′4″. The high standards in quality construction established by Mosley in over a quarter-century of manufacturing is reflected in the mono-band...Model CL-103. Boom-to-mast clamping assures stability with a time-tested arrangement of mast plate, stainless steel U-bolts and cast aluminum clamping blocks. The exclusive "Balanced Capacitive Matching" System has a nominal feed point impendance of 52 ohms at resonance. Wind Load - 89 lbs, at 80 MPH. Power Rating - 2 KW P.E.P. SSB. Recommended mast size - 1½″ or 2″ OD. Approx. shipping weight - 28 lbs.

CLASSIC 153...15 Meters

Model CL-153

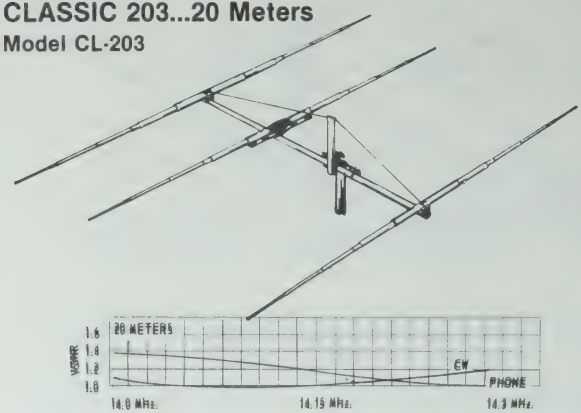


10 db Foward Gain (over isotropic source)
20-25 db Front-to-Back Ratio

The high standards in quality construction established by Mosley in over a quarter-century of manufacturing is reflected in this mono-band...Mosley Cl-153. Boom-to-mast clamping assures stability with a time-tested arrangement of mast plate, cast aluminum clamping blocks and stainless steel U-bolts. This full size 15 meter single-band beam has "swaged" elements wide spaced on a 14′ boom. Incorporating the Mosley patented Classic Feed System, the exclusive "Balanced Capacitive Matching" System, having a nominal feed point impendance of 52 ohms at resonance. Wind Load - 111 lbs. at 80 MPH. Power Rating - 2 KW P.E.P. SSB. Recommended mast size - 1½″ or 2″ OD. Approx. shipping weight - 36 lbs.

CLASSIC 203...20 Meters

Model CL-203



10.1 db Forward Gain (over istropic source)
20 db Front-to-Back Ratio

Incorporating the Mosley patented Classic Feed System, this full size 20 meter single-band beam has 1½″ to 3/8″ dia. "swaged" elements wide spaced on a 2″ dia. 24′ boom. Maximum element length - 37′ 8½″. The high standards in quality construction established by Mosley in over a quarter-century of manufacturing is reflected in this mono-band...Model Cl-203. Boom-to-mast clamping assures stability with a time-tested arrangement of mast plate, cast aluminum clamping blocks and stainless steel U-bolts. The exclusive "Balanced Capacitive Matching" System has a nominal feed point impendance of 52 ohms at resonance. Wind Load - 131 lbs. at 80 MPH. Power Rating - 2 KW P.E.P. SSB. Recommended mast size - 2″ OD. Approx. shipping weight - 42 lbs.

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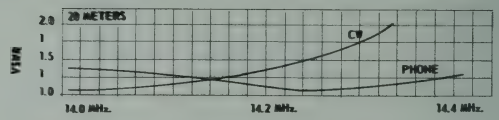
The Deluxe Classic...20 METER BEAM

Model CL-205
5 Elements
12.1 db Forward Gain (over isotropic source)
20 db Front-to-Back Ratio

TOP OF THE LINE . . . The Deluxe Classic 205, 5 element 20 meter single-band beam Power Rated at 2 KW P.E.P. SSB. Incorporating the Mosley patented Classic Feed System: "Balanced Capacitive Matching". And the high quality of Mosley construction is reflected in this mono-band. Model CL-205. Boom-to-Mast clamping assures stability with a time-tested arrangement of cast aluminum clamping blocks, stainless steel U-bolts and mast plate. Wind Load - 365 lbs. at 80 MPH. Recommended Transmission Line - RG-8/U. Recommended Mast Size - 3" OD. Approx. shipping weight -145 lbs.

CLASSIC-205...20 Meters



Specifications & Performance Data

MODEL			MULTI-BAND BEAMS CL-33	CL-36	CL-103	SINGLE-BAND BEAMS CL-153	CL-203
Forward Gain	on 10 meters	reference dipole	08.1 db	09.1 db	08.3 db		
		isotropic source	10.1 db	11.1 db	10.3 db		
	on 15 meters	reference dipole	08.4 db	08.6 db		08.4 db	
		isotropic source	10.4 db	10.6 db		10.4 db	
	on 20 meters	reference dipole	08.2 db	08.4 db			08.5 db
		isotropic source	10.2 db	10.4 db			10.5 db
Front-to-Back Ratio	on 10 meters		15.0 db	25.0 db	20-25 db		
	on 15 meters		23.0 db	24.0 db		20-25 db	
	on 20 meters		23.0 db	24.0 db			23.0 db
Power Rating	AM/CW		1 KW +	1 KW +	1 KW +	1 KW +	1 KW +
	P.E.P. SSB		2 KW +	2 KW +	2 KW +	2 KW +	2 KW +
Feed Point Impedance			52 ohms	52 ohms	52 ohms	52 ohms	52 ohms
Recommended Transmission Line			RG-8/U	RG-8/U	RG-8/U	RG-8/U	RG-8/U
VSWR at Resonance (1.5/1 or better)			1.5/1	1.5/1	1.5/1	1.5/1	1.5/1
Number of Elements			3	6	3	3	3
Maximum Element Length			27'	29'9"	18'4"	24'1"	37'8½"
Boom Length			18'	24'	12'	14'	24'
Recommended Mast Size (diameter)			2" OD	2" OD	2" OD	2" OD	2" OD
Turning Radius			16'	19'3"	11'2"	14'	23'
Wind Surface Area (in sq. ft.)			6	10.7	4.36	5.43	6.8
Wind Load (EIA Std. 80 MPH) (in lbs.)			120 lbs.	210 lbs.	89 lbs.	111 lbs.	131 lbs.
Assembled Weight (approximately)			42 lbs.	69 lbs.	22 lbs.	30 lbs.	40 lbs.
Shipping Weight - (approximately)			45 lbs.	71 lbs.	28 lbs.	36 lbs.	42 lbs.

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Specifications & Performance Data

MODEL			CL-104	CL-154	CL-204	CL-105	CL-155	CL-205
Forward Gain	on 10 meters	reference dipole	9.5db			10.5db		
		isotropic source	11.6db			12.6db		
	on 15 meters	reference dipole		9.5db			10.5db	
		isotropic source		11.6db			12.6db	
	on 20 meters	reference dipole			9.5db			10.5 db
		isotropic source			11.6db			12.6 db
Front-to-Back Ratio	on 10 meters		25db			25db		
	on 15 meters			25db			25db	
	on 20 meters				25db			24.0 db
Power Rating	AM/CW		1 KW +	1 KW +	1 KW +	1 KW +	1 KW +	1 KW +
	P.E.P. SSB		2 KW +	2 KW +	2 KW +	2 KW +	2 KW +	2 KW +
Feed Point Impedance			52	52	52	52	52	52
Recommended Transmission Line			RG-8/U	RG-8/U	RG-8/U	RG-8/U	RG-8/U	RG-8/U
VSWR at Resonance (1.5/1 or better)			1.5/1	1.5/1	1.5/1	1.5/1	1.5/1	1.5/1
Number of Elements			4	4	4	5	5	5
Maximum Element Length			19′	25′	38′	19′	25′	38′1½″
Boom Length			18′x2″	24′x2″	36′x2″	24′x2″	36′x2″	46′
Recommended Mast Size (diameter)			2″	2″	2″	2″	2″	3″
Turning Radius			13′	19′	26′	16′	23′	28′
Wind Surface Area (in sq. ft.)			5.75	6.82	9.06	7.18	8.52	18.3
Wind Load (EIA Std. 80 MPH) (in lbs.)			145 lbs.	162.8 lbs.	210 lbs.	148 lbs.	185 lbs.	365 lbs.
Assembled Weight (approximately)			36 lbs.	44 lbs.	80 lbs.	45 lbs.	70 lbs.	139 lbs.
Shipping Weight - (approximately)			40 lbs.	49 lbs.	86 lbs.	50 lbs.	78 lbs.	145 lbs.

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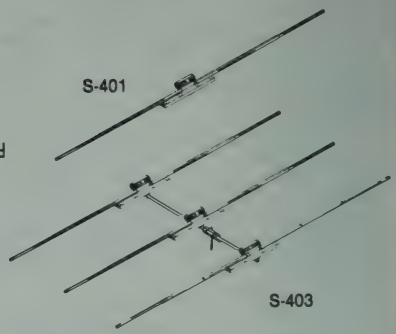
MODELS S-401, S-402, S-403
FOR
40 Meters

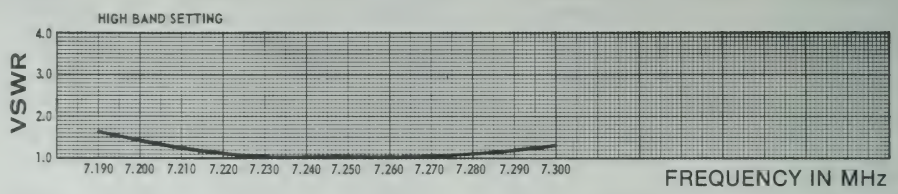
Signal-Master Antenna
By **Mosley**

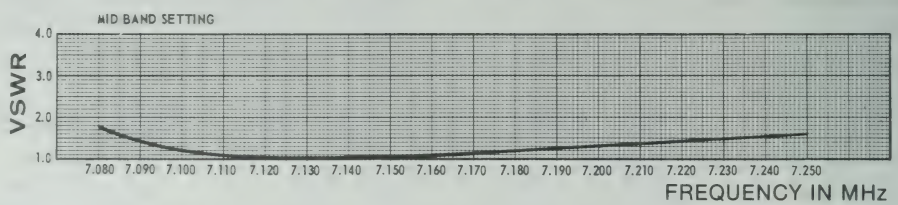


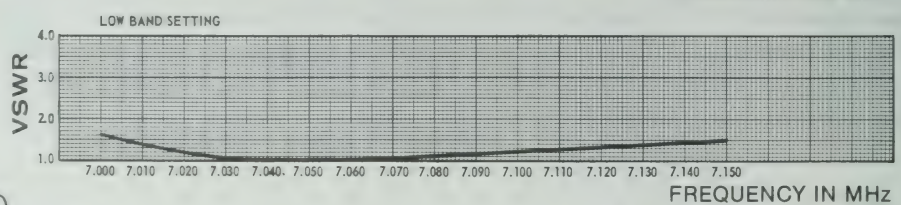
"Forty" is the *hot* band now and the all new Mosley Signal Master Beam is the antenna to give your signal real authority! This rugged beauty is designed and engineered to provide the performance you need whether you are DX hunting or relaxing in a pleasant rag-chewing session.
Coils are weather and dirt proof offering resonant frequency stability under all weather conditions. Holes are factory predrilled and element components color coded.

S-401		S-402		S-403	
Gain	-	Gain	5.2 dbd	Gain	8.0 dbd
F/B	-	F/B	24.0 db	F/B	25 db
Max. Element Lgth.	44'3"	Max. Element Lgth.	45'	Max. Element Lgth.	45'
		Boom	24'	Boom	36'
Turning Radius	23'	Turning Radius	27'	Turning Radius	34'
Wind Load	100 lbs.	Wind Load	225 lbs.	Wind Load	320 lbs.
In. Sq. Ft.	3 . 5	In. Sq. Ft.	7.5	In. Sq. Ft.	12.0
Feedpoint Impendance	52 ohm	Feedpoint Impedance	52 ohm	Feedpoint Impedance	52 ohm
Assembled Wt. (approx.)	25 lbs.	Assembled Wt. (approx.)	70 lbs.	Assembled Wt. (approx.)	110 lbs.

The SWR/FREQUENCY curves reproduced here were drawn from data compiled during actual field tests of production model antennas.





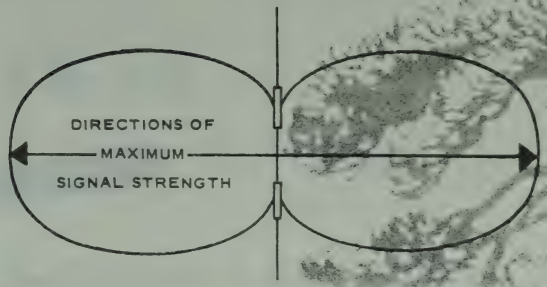


Full size 40 meter beams available in 1, 2, 3, and 4 element models ranging from 24' boom to 72' boom. For these and other antennas from our commercial, military line write. Commercial Antenna's c/o Mosley Electronics, Inc.

Mosley Electronics, Inc. 1344 Baur Boulevard St. Louis, Mo. 63132 1-314-994-7872 1-800-325-4016

NOW ALL THESE ANTENNAS ARE UPS SHIPPABLE!

DIPOLE ANTENNAS



40 & 80 meter

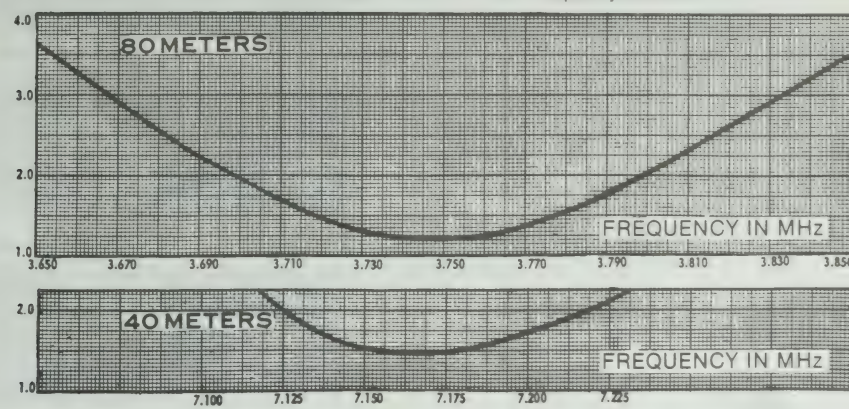
TRAP DIPOLE MODEL TD-2

Model TD-2 Doublet antenna resonates at 40 and 80 meters and provides a typical figure eight one half wavelength dipole pattern at each resonant frequency. Parallel resonant trap circuits are used to automatically select the proper electrical length for each band. A center connector holds the No. 14 copperweld wire securely. The traps are enclosed in aluminum and are designed to be frequency stable through wide climatic variations. End insulators are high grade ceramic 4¼ inches long. The TD-2 is an ideal antenna for use at locations where a bi-directional pattern is preferred. This antenna is adjustable for desired resonant frequency on both bands.

SPECIFICATIONS AND PERFORMANCE DATA

SWR:	1.5/1 or better.
POWER RATED:	1 KW AM/CW and 2000 Watts P.E.P. SSB.
MAXIMUM OVERALL LENGTH:	114 feet.
TRANSMISSION LINE:	52 or 72 Ohm Coax Recommended.
ASSEMBLED WEIGHT:	7 Pounds.
SHIPPING WEIGHT:	9 Pounds.

SWR/Frequency Curves The SWR/Frequency Curves reproduced here were drawn from data compiled during actual field tests of production model antennas.



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DIPOLE ANTENNAS

MODEL TD-3 AND TD-3 JR.

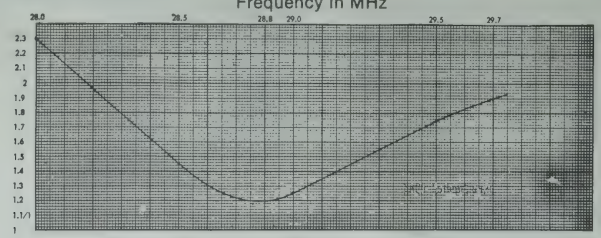
These Trap Doublet antennas require little space and are easy-to-install by attaching 52 or 72 ohm coax line to strain relief center connector and tying insulators to convenient support. Doublets utilize famous Mosley water-proof trap assemblies. Length of TD-3: 53 feet on 40 meters; 25 feet on 20. Length of TD-3 Jr: 54 feet on 40; 24 feet on 20. Antennas may be cut for a choice of bands: 10, 15, 20, meters or 10, 15, and 40 meters. Operate as an electrical one half wavelength on each of the bands with excellent radiation and bandwidth.

TD-3 is designed for 1000 watts AM/CW input to the final or 2000 watts PEP SSB input to the final. TD-3 Jr. - - - 300 watts AM/CW input to the final or 1000 watts PEP SSB input to the final.

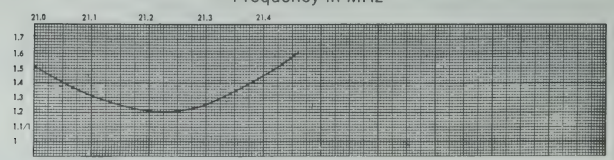
Shipping weight of TD-3 is 5 lbs; TD-3 Jr. is 4 lbs.

SWR/Frequency Curves The SWR/Frequency Curves reproduced here were drawn from data compiled during actual field tests of production model antennas.

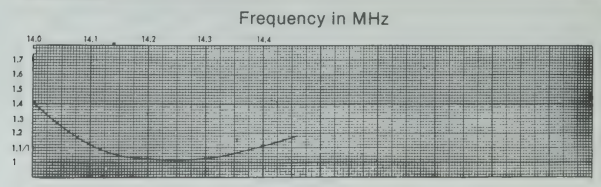
10 METER ►



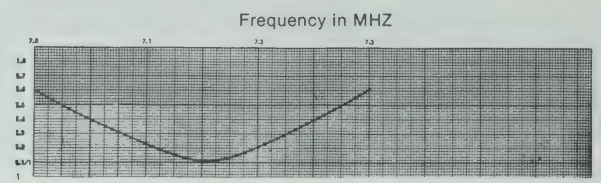
15 METER ►



20 METER ►



40 METER ►



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MOSLEY

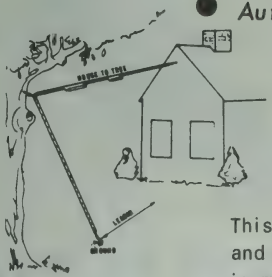
TW-3X

DIPOLE ANTENNA

Especially designed for the operation of 20, 40 & 75/80 meters.
for the ham with a limited budget.
for the amateur with limited space.
for the traveler working portable.

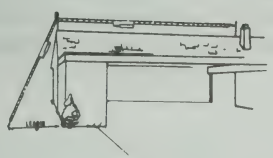
FEATURES:

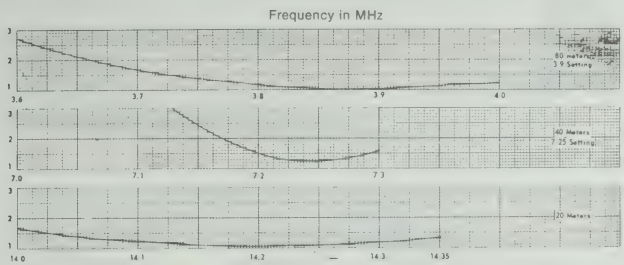
- *Three band compact antenna for operation of 20, 40 and 75/80 meters.*
- *Automatic band switching. -in kit form.*



TW-3X: CW-maximum legal power
SSB - 2000 watts P. E. P.

This antenna is a trap grounded quarter wave antenna using a unique method of tuning and a single 52 ohm coax line. Maximum antenna length 58 feet. No radials necessary in most cases and antenna may be mounted in a varying number of positions to fit most any location. Easily assembled kit consists of 62 feet of 450 ohm open wire, two condensers of suitable rating and three antenna insulators. A good ground connection within a few inches of ground level is required and may consist of any pipe or metal conduit connected at ground level. A ground rod driven to moist earth is also satisfactory. For roof mounting a radial ground system is required. Ground mounting will give superior performance to roof mounting. Performance generally equal to any good vertical antenna but may vary with different type of mounting. Antenna is pre-tuned if assembled according to instructions and may be easily adjusted for desired resonant frequency to fit various locations.





SWR Curves

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NOW ALL THESE ANTENNAS ARE UPS SHIPPABLE!

HORIZONTAL or INVERTED "V"
Dipole Antenna

Model DIV-80 . . . . .
. . . . Maximum Legal Power
on each band 10 through 80 meters

FEATURES Do-It-Yourself Approach

Know the satisfaction of accomplishment by working CW or Phone with an antenna you cut and design for specific frequencies in a given band.

Here is a unique opportunity: you make all your own calculations with the aid of the technical information we supply.

FEATURES Superiority of Materials

The DIV-80 Antenna features elements made with durable Copperweld wire for greater strength—Guarantees a more realistic life expectancy.

The long established Mosley Dipole Connector (Model DPC-1) makes building your antenna an easy job. The DPC-1 fits RG-8/U or RG-58/U coax. Weatherproof construction with corrosion-proof hardware.

The DIV-80 in Kit form, costs you less than if you bought the parts yourself—all parts are included as pictured above.

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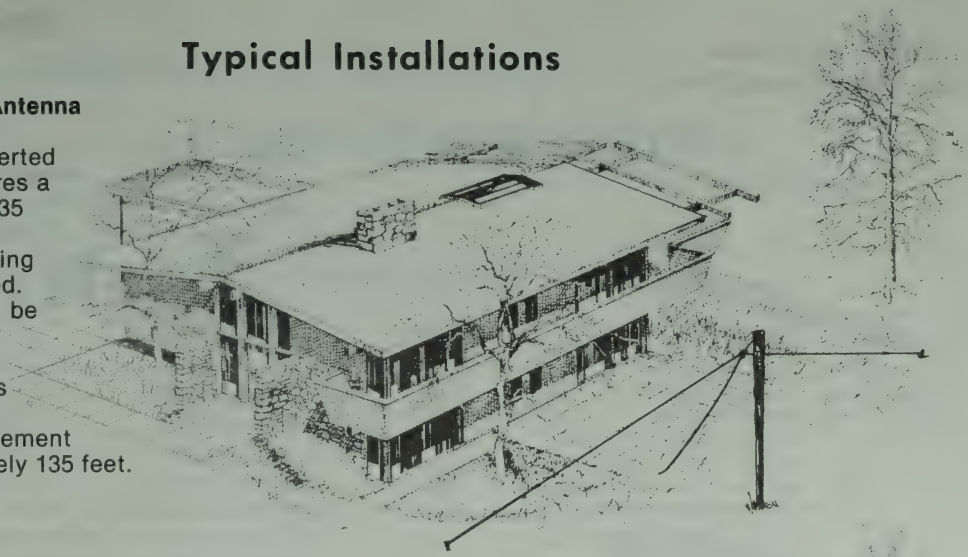
Typical Installations

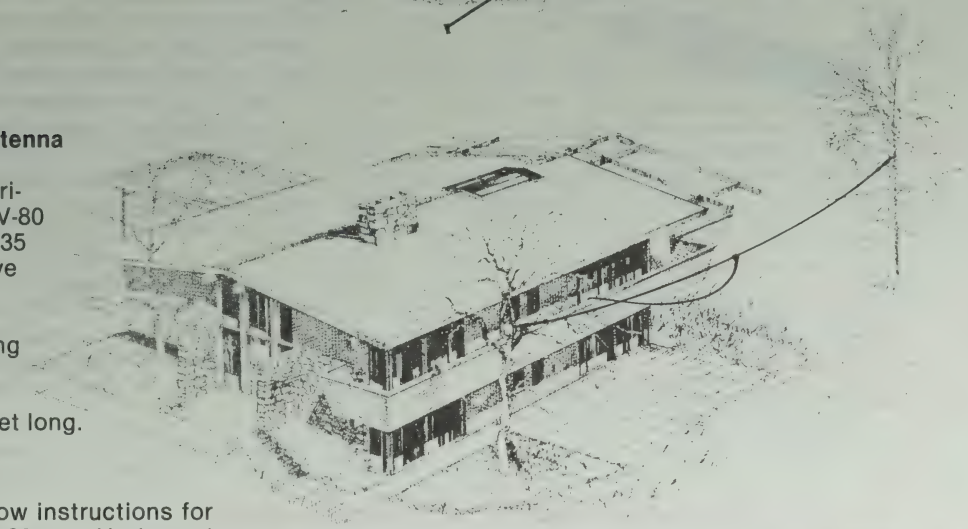
Inverted "V" Dipole Antenna

Assembled as an inverted "V" the DIV-80 requires a center support from 35 feet to 60 feet — the height varies depending upon the band worked. Element ends should be insulated 10 feet above ground. Maximum radiation is at right angles to the "V"; maximum element length is approximately 135 feet.



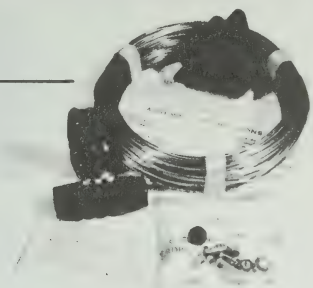
Horizontal Dipole Antenna

Assembled as an Horizontal Dipole, the DIV-80 is installed between 35 feet and 65 feet above ground. Maximum radiation is at right angles to the radiating element. Maximum radiating element is approximately 135 feet long.



Concise, easy-to-follow instructions for assembling your DIV-80 as a Horizontal or Inverted "V" Dipole Antenna are included.

The DIV-80 Kit Includes.



- 140 ft. of weather resistant Copperweld wire—will not stretch under normal conditions (440 lbs. breaking strength).
- The renowned DPC-1 Dipole Connector of high-strength "Cycolac".
- High-grade plastic end-insulators 2 3/8″ long with anti-arc serrations.
- All necessary hardware.

SPECIFICATIONS AND PERFORMANCE DATA:

Type of antenna—Horizontal or Inverted "V" Dipole
Frequencies—Any band 10 through 80 meters.
Power Rated—1 KW AM/CW, 2 KW P.E.P.
Maximum Element Length—Approximately 135 ft. on 75/80 meters.
Wire Breaking strength—440 lbs.
Assembled weight—Approximately 2 lb
Shipping weight—Approximately 3 lbs.

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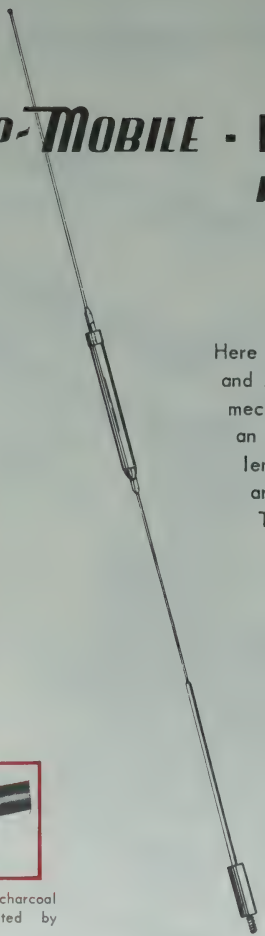
Great with New Solid State Tranceivers

TRAP-MOBILE - MA-3 by Mosley....

FEATURE: Trap is completely weather-proof...sealed against dirt, rain and snow!

FEATURE: Exclusive MOSLEY trap design assures stable operation. Inductive and capacitive values cannot change!

FEATURE: Base coil – Material is charcoal activated polyethylene. Unaffected by weather or road shock!



Here is a three band Mobile Whip which operates on 10, 15 and 20 meters with ... NO BANDSWITCHING ... or other mechanical devices. An overall length of 7' 8⅛" provides an electrical ¼ wavelength on each band assuring excellent performance with low SWR over full bandwidth. Coils are moisture-proofed for constant all weather operation. Traps enclosed in polished aluminum cover with slim profile for low wind resistance. Anti-sway design improves signal stability while "in motion". Stainless steel whip sections. Base stud, 3/8"-24, fits all standard mounts. Shipping weight, 6 lbs.

Will Not Take Set Or Warp!

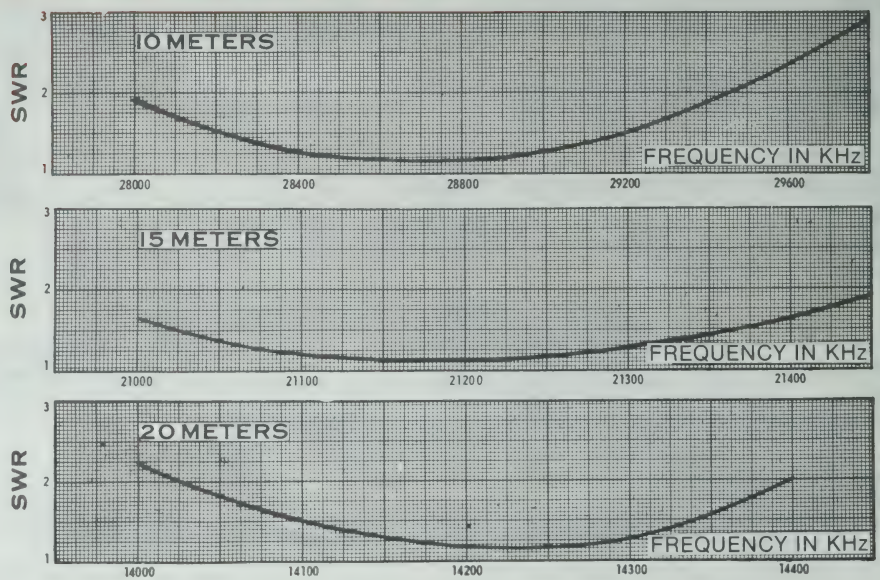
Stainless steel whip sections (290,000 PSI) permit antenna to lay forward over car for "garaging".

GUARANTEED!
Will Not Take Set!
Will Not Warp!

May be used with any 40–80 meter base loading coil!

Mosley 40-80 Meter Base Coil Available Soon!

SWR/FREQ. CURVES FOR MODEL MA-3 TRAP-MOBILE ANTENNA



"MOBILE" ANTENNAS

MOSLEY AUTOWHIP TM-5

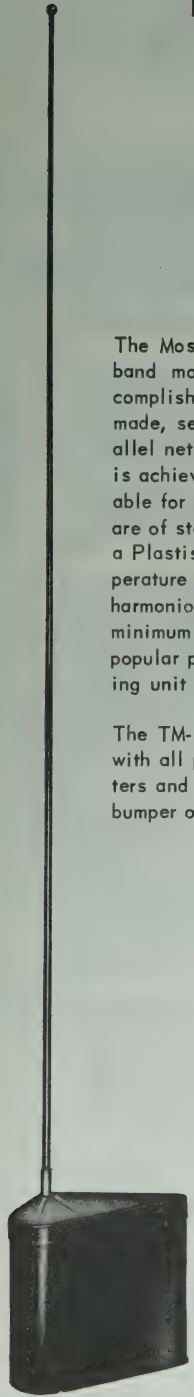
for 10, 15, 20, 40 and 80 meters.

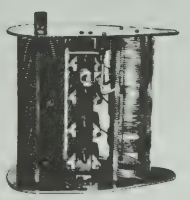
AUTOMATIC BANDSWITCHING from TRANSMITTER

The Mosley "AutoWhip TM-5" for 10, 15, 20, 40, and 75/80 meter operation. The five band mobile antenna that changes bands automatically. Electronic switching is accomplished by means of simple series and parallel resonant trap circuits. The precision made, series-tuned traps improve VSWR on the 10, 15, 20 and 40 meter bands and a parallel network achieves near unity VSWR on 75/80 meters. Excellent radiation efficiency is achieved through use of the full 96" stainless steel whip, supplied. The TM-5 is tunable for minimum SWR at any desired frequency in each phone band. All exterior fittings are of stainless steel, brass and weatherproof plastic. The aluminum framed housing has a Plastisol cover that is practically unbreakable and will retain its shape through a temperature range of -30 degrees F. to +200 degrees F. This cover is neutral ivory to blend harmoniously with all vehicles. The "AutoWhip TM-5" is aerodynamically designed for a minimum of wind resistance. Finest component quality and imaginative engineering at a popular price. Thoroughly field tested, this beautifully designed, automatic band-switching unit is fully guaranteed against defects in material and workmanship for one year.

The TM-5 has been engineered and designed for use with all popular commercial amateur mobile transmitters and transceivers. The TM-5 may be mounted on bumper or standard spring-type base mount.

MODEL V-96-SS

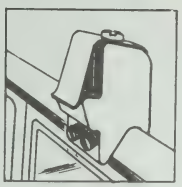




(Inside view of housing)

MODEL MWK

Universal clip for mobile whip antennas.



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SWR/Frequency Curves for TM-5

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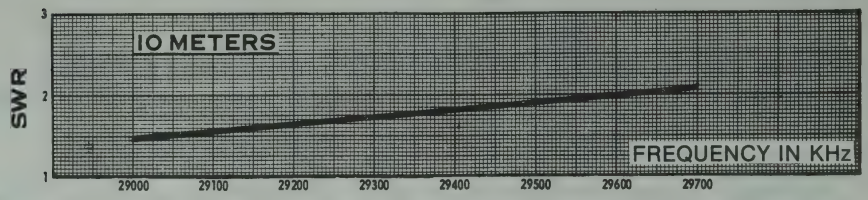

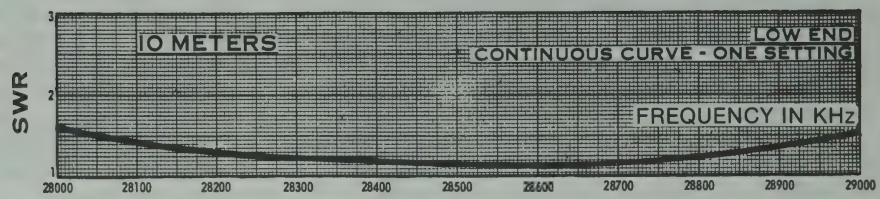

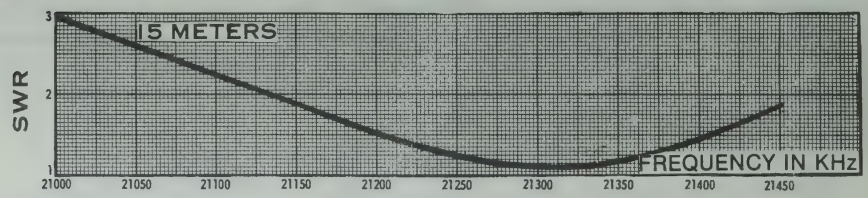

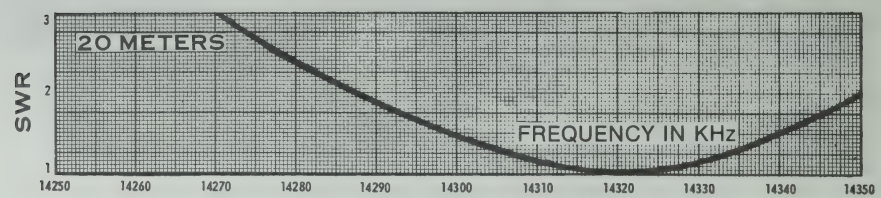

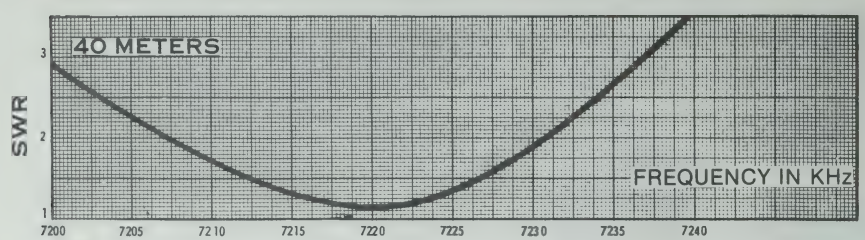

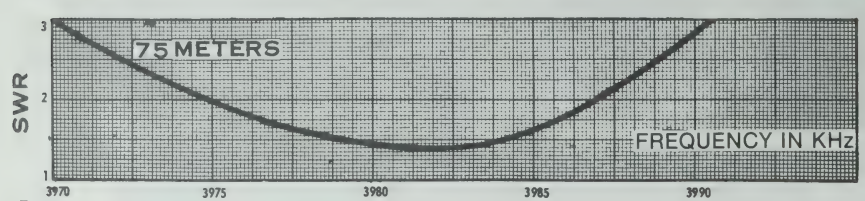

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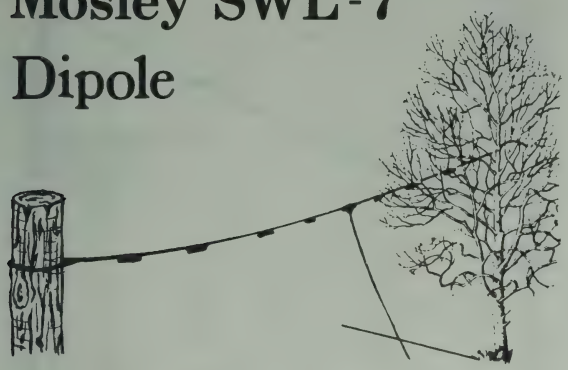
NOW ALL THESE ANTENNAS ARE UPS SHIPPABLE!

SHORTWAVE Listening
Dipole & Vertical Antennas

Mosley SWL-7 Dipole



Here's an inexpensive 7-band receiving antenna that requires little space, yet offers DX-ability for adding more hard-to-get stations to your log. Owners of the SWL-7 tell us they hear 50% more DX since erecting this dipole. New design weatherproof trap assemblies are responsible for this amazing broadband SWL coverage.

Kit includes all necessary parts and concise assembly instructions: 8 weatherproof trap assemblies, transmission line center connector, 50 feet of antenna wire, 2 glazed porcelain insulators, and 100 fet of 75 Ohm transmission line.

Only 40 feet long and 2 pounds in weight, the SWL-7 is easy to assemble: just attach wire to trap assemblies, add the strain relief center connector, then tie on the end insulators. For best results, this antenna should be erected 25 feet or more clear of surrounding objects.

Mosley SWV-7 Vertical

CRAMPED FOR SPACE? The Mosley vertical SWL antenna was designed for you. A rugged and sleek looking beauty standing just 13 feet 3-5/8 inches high. Ground level installation requires less than 1 square foot of space. In field tests conducted by the Editor of Popular Electronics *"The SWV-7 out-performed all other SWL antennas."* The preceeding quote is from an issue of POPULAR ELECTRONICS.

Six unique trap assemblies tune (resonates automatically) to the center of 11, 13, 16, 19, 25, 31 and 49 meter bands to deliver unprecedented DX reports in short wave listening.

Installation at ground level requires no guying or concrete footing. Antenna is supported vertically by 3 feet of tubing driven into the ground. Rooftop installation features a 3 foot mast with hinged bracket that (keeps antenna vertical on sloped surface) fastens to roof with single lug screw. Seven radials of differing lengths double as guy wires (not supplied) in roof-top installation. No. 10 copper wire is recommended.

The SWV-7 is constructed of only the finest alloy aluminum tubing, not only telescoped but swaged to reduce wind vibrations.

Specifications & Performance Data

Model	SWL-7	SWV-7
Type of Antenna	Dipole	Vertical
Broadcast Bands (meters)	11, 13, 16, 19, 25, 31 & 49	11, 13, 16, 19, 25, 31 & 49
Ground Required	No	Yes
Assembled Length*/Height	39 ft. 10 in.	13 ft. 3-5/8 in.
Assembled Weight (approximately)	2 lbs.	5 lbs. 15 ozs.
Shipping Weight (approximately)	2 lbs. 4 ozs.	7 lbs. 7 ozs.
May be shipped VIA	Parcel Post or U.P.S.	Parcel Post or U.P.S.
Mosley Stock No.	412540	729540

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NOW ALL THESE ANTENNAS ARE UPS SHIPPABLE!

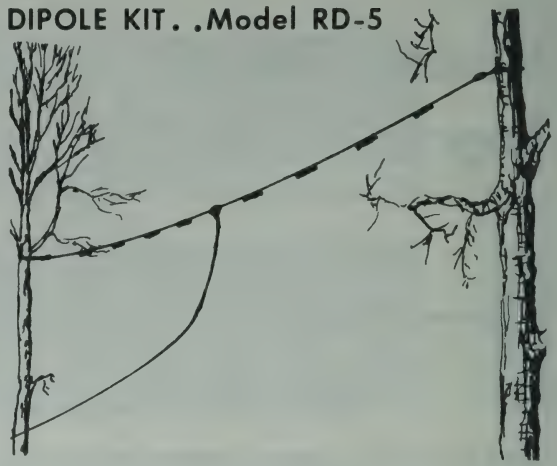
DIPOLE & BALUN...SHORT WAVE LISTENING ANTENNAS

Model RD-5
Monitor the Ham bands
For 10, 15, 20, 40 and 75/80 meters.

Model RD-5, Horizontal Short Wave Listening Dipole. For 10, 15, 20, 40 and 75/80 meters.
For superior short wave listening on the ham bands, install a Mosley Model RD-5. This horizontal antenna, with a resonant half-wavelength dipole on each band, measures 69 feet 1 inch. Outperforms ordinary random length antennas.
Kit comes complete with 100 feet of 75 ohm twin-lead, 2 insulators, wire, transmission line center connector, 8 weatherproof traps assemblies and easy-to-follow installation instructions.

For short wave listening on bands below 4 MHz., install a Mosley TRS-57 Transformer-Balun.

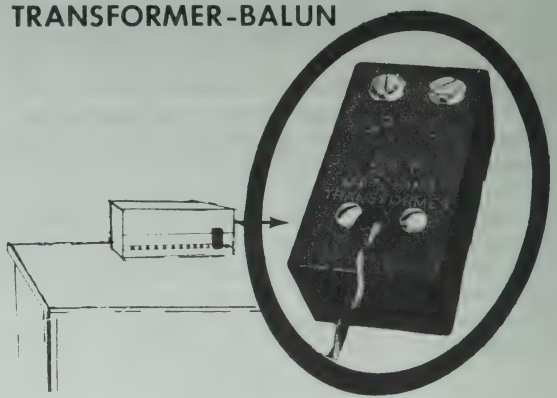
DIPOLE KIT. .Model RD-5



Model TRS-57
Transformer-Balun
Receive Standard Broadcasts

Use your Short Wave Listening Antenna to receive commercial broadcasts from all over the country. When you want to receive bands below 4 MHz. the TRS-57 automatically converts your short wave doublet into the long wire antenna you need for commercial band reception. No antenna tuner is necessary!
On the ham bands, the TRS-57 acts as a balun to provide balanced receiver input, thus, assuring superior performance of your SWL antenna.
Use the Transformer-Balun with Mosley SWL-7, RD-5 or any short wave doublet. Easily installed on the back of the receiver with a screwdriver.

TRANSFORMER-BALUN



Specifications & Performance Data

	VERTICAL	DIPOLES	
MODEL	SWV-7	SWL-7	RD-5
Bands	11, 13, 16, 19, 25, 31 & 49	11, 13, 16, 19, 25, 31 & 49	10, 15, 20, 40 & 75/80
Length (Height)	13' 3-5/8"	39' 10"	69' 1"
Ground Required	Yes	No	No
Assembled Weight	Approx. 5 lbs. 15 ozs.	Approx. 2 lbs.	Approx. 2 lbs.
Shipping Weight	Approx. 7 lbs. 7 ozs.	Approx. 2 lbs. 4 ozs.	Approx. 2 lbs. 12 ozs.

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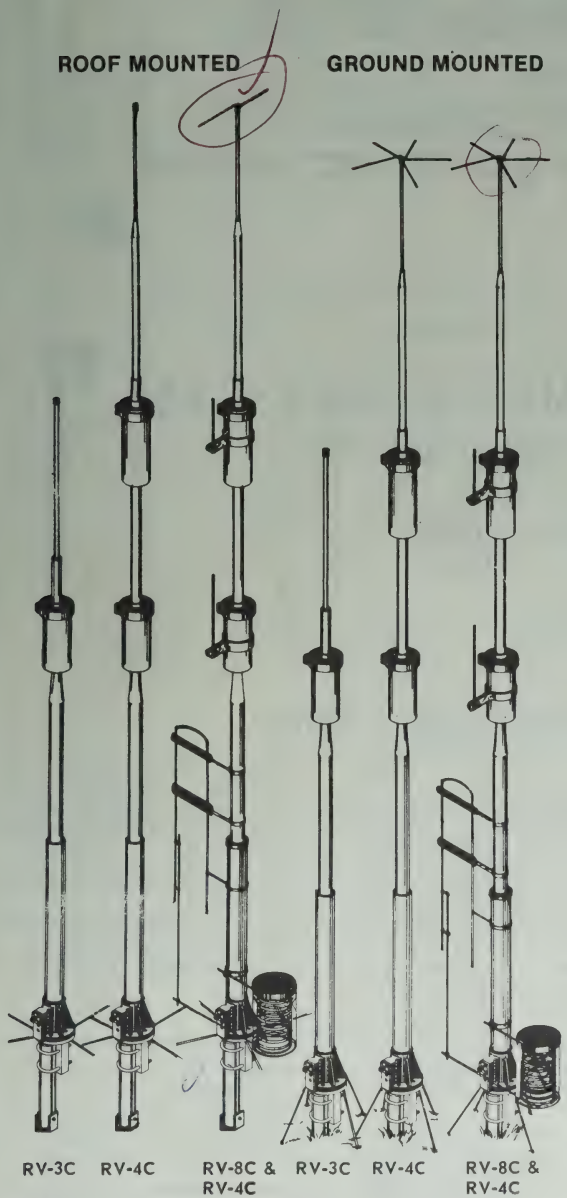
TRAP MASTER VERTICALS...MULTI-BAND ANTENNAS



TRAP MASTER

Verticals

for 10 thru 80 meters

- **AUTOMATIC BAND SWITCHING**
- **OMNI-DIRECTIONAL**
- **ONE-QUARTER WAVELENGTH**
- **SELF-SUPPORTING**
- **SIMPLIFIED BASE MOUNT**

If you're cramped for space and looking for the finest in a self-supporting vertical, there's an RV antenna designed with you in mind.

Mosley RV Verticals for 3, 4 or 5 band operation features automatic bandswitching from the location of the transceiver. Each antenna utilizes one or more world famous Trap Master traps of the renowned TA-33 beam. Undisputed and unaltered since their inception, Mosley Trap Master traps incorporate high "Q" coils firmly fixed on molded forms. These high quality metal encased traps maintain resonant stability on all bands under a wide variety of of weather conditions.

With New Simplified Base Mounting technique, no concrete footing is necessary. Vertical element mounts in durable Cycolac Base Insulator. Laboratory tests proved that this Base Insulator will withstand even greater stresses than the vertical element will impose without chipping or cracking. The Insulator with coax feed connection secures to a heavy-duty aluminum base casting. The antenna and base assembly are supported by a pipe with the aid of U-bolts and hardware.

These heavy-duty verticals measure up to the most exacting commercial standards. Elements are swaged for extra strength and reduced wind load. Low angle/omni-directional radiation and minimum SWR (1.5/1 or better at resonance) assure maximum performance. A two-inch OD mast is recommended. Power fed directly to antenna with a single 52 ohm coax line.

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NOW ALL THESE ANTENNAS ARE UPS SHIPPABLE!

Specify MOSLEY Conversion Kits

75/80 METER CONVERSION KIT:

Designed to convert the RV-4C antenna to include the 75/80 meter band. The CL circuit incorporates a high "Q" coil constructed of #12 soft-drawn tinned copper wire wound on four polystrene rods. A plexiglass coil housing, closed at one end with a polystrene cap, assures weather protection.

An insulated aluminum condenser tube fits over the vertical element. Heavy-duty insulators maintain "U" shaped matching section loop, and a matching section rod connects loop to coil.

Mosley RV-8C
ADD
75/80 Meters
to your RV-4C Vertical.

ROOF-TOP MOUNTING KIT:

Designed to adapt RV verticals from ground to roof-top mounting. A 3 ft. mast with hinged mounting bracket fastens base assembly to roof with one lag screw. No special guying required (Radial wires may be used as guys). To extend the antennas' tuning range, Top Hat Rods are provided for use according to individual installation requirements.

Mosley RKV-345
conversion kit

Specifications & Performance Data

MODEL		RV-3C	RV-4C	RV-8C
Bands		10, 15 & 20 Mtr.	10, 15, 20 & 40 Mtr.	75/80 Mtr. Conversion Kit
Power Rating	AM/CW	1 KW+	1 KW+	1 KW+
	P.E.P. SSB	2 KW+	2 KW+	2 KW+
Feed Point Impedance		52 ohms	52 ohms	52 ohms
Recommended Transmission Line		RG-8/U	RG-8/U	RG-8/U
VSWR at Resonance		1.5/1 or better	1.5/1 or better	1.5/1 or better
Height (approximately)		12'	22 ft.	22 ft.
Number of Radials		3	4	5
Maximum Radial Length (approximately)		17' 3"	34 ft. 7 in.	80 ft.
Ground Required		Yes	Yes	(1 supplied)
Recommended Mast Size		2" OD	2 in. OD	2 in. OD
Wind Surface Area		1.395 sq. ft.	2.049 sq. ft.	2.500 sq. ft.
Wind Load (EIA Std. 80 MPH)		29 lbs. 6 ozs.	42 lbs. 7 ozs.	
Assembled Weight (approximately)		7 lbs.	9 lbs. 4 ozs.	4 lbs. 8 ozs.
Shipping Weight (approximately)		8 lbs.	10 lbs. 4 ozs.	6 lbs.

14 LBS

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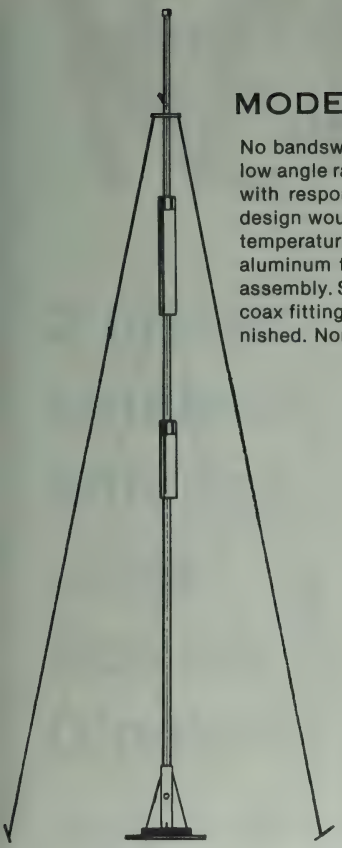
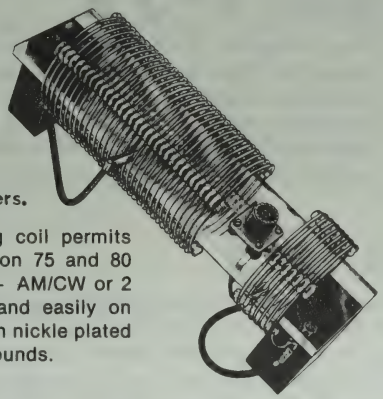
VERTICAL ANTENNAS



MODEL V-4-6 FOR 10, 15, 20 AND 40 METERS

No bandswitching necessary with this Vertical. An electrical quarter wavelength on each band with low angle radiation makes this an excellent low cost DX antenna. Exclusive design provides low SWR with response exceptionally flat across full width of each band. Weatherproof traps are of Hi-Q design wound on grooved high impact forms. Will maintain resonant points under wide variations of temperature and humidity. Rated 1 KW+ AM/CW and 2 KW+ P.E.P. SSB. Rugged, lightweight aluminum tubing telescopes to height of 20′. Pre-tuned, pre-drilled and color coded for fast, easy assembly. Supplied with heavy duty base mount that is made of molded "Cycolac" and incorporates a coax fitting and ground strap. Polyethylene guy rope, hardware and detailed instructions are also furnished. Normal ground installations require 4 radials, 33′ each. Shipping weight, 12 pounds.



MODEL D-4BC-A

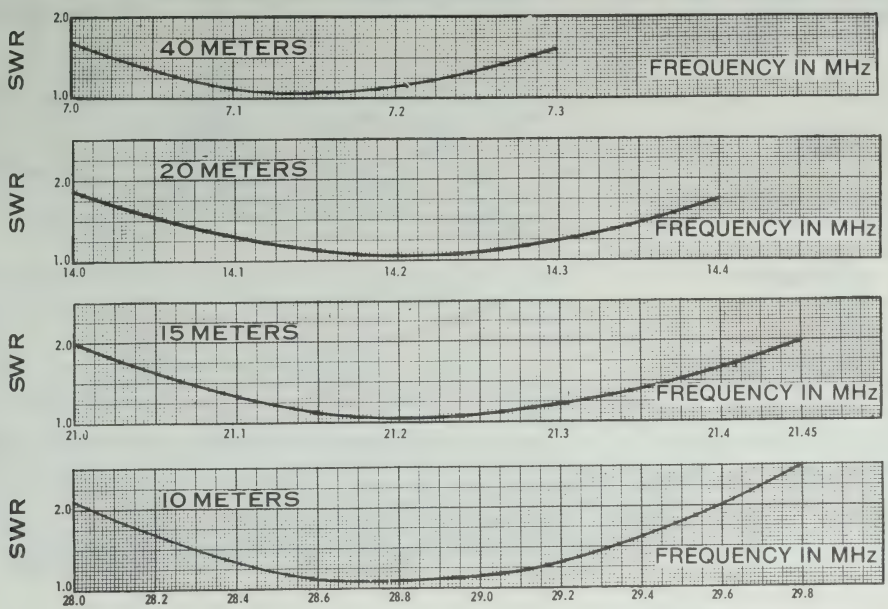
BASE LOADING COIL for 75/80 meters.

Beautifully constructed base loading coil permits operation of V-4-6 Vertical Antenna on 75 and 80 meter bands. Rated to handle 1 KW+ AM/CW or 2 KW+ P.E.P. SSB.---Mounts quickly and easily on base section of vertical. Complete with nickle plated coax connector. Shipping weight, 3 pounds.

SWR/Frequency Curves

The SWR/Frequency Curves reproduced here were drawn from data compiled during actual field tests of production model antennas.

Antenna mounted on ground with four 33' radials.



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NOW ALL THESE ANTENNAS ARE UPS SHIPPABLE!

TRAP MASTER

VERTICAL ANTENNAS for 10, 15, and 20 Meters

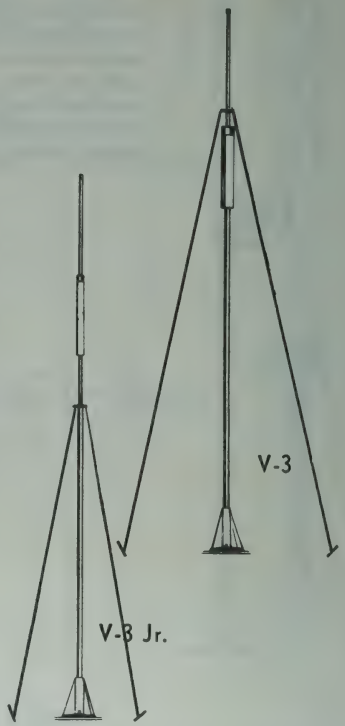
- Automatic Bandswitching !
- Compact - Low Windload !
- Requires Short Radials !
- Weatherproof Traps !
- Low SWR !

Model V-3 Jr

This vertical for 10, 15 and 20 meters is similar to the V-3 but rated to 300 watts CW. Features heavy-wall aluminum construction, utilizes famous Mosley weatherproof traps. No tuning or adjusting necessary. Requires only short radials. Overall height 11 feet 9 inches. Weight 12 lbs. Complete with "cycolac" base incorporating coax fitting, guy lines, hardware and instructions. Shipping weight 6 lbs.

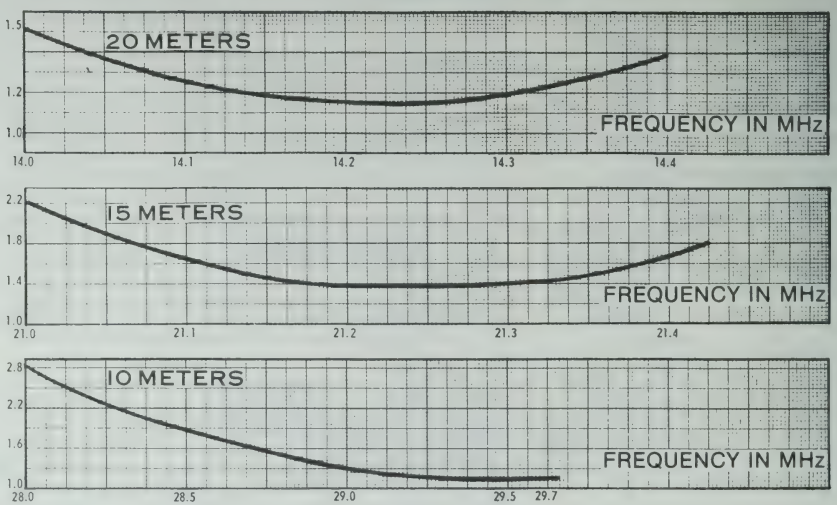
Model V-3

Three band vertical for 10, 15 and 20 meters. Rated to a full KW. Features automatic bandswitching and low angle radiation. Maintains an electrical quarter wavelength over entire bandwidth. Aluminum trap cover, sealed with polyethylene cap, provides positive weather and dirt protection for the coils. Ground system requires only short radials. No tuning or adjusting necessary. Heavy-wall aluminum construction. 11 feet 6 inches from base to tip and weight just 4 pounds. Complete with "Cycolac" base, coax fitting, guy line and all necessary hardware and instructions. Shipping weight 8 lbs.



SWR Frequency Curves

The SWR/Frequency Curves reproduced here were drawn from data compiled during actual field tests of production model antennas.



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NOW ALL THESE ANTENNAS ARE UPS SHIPPABLE!

NEW

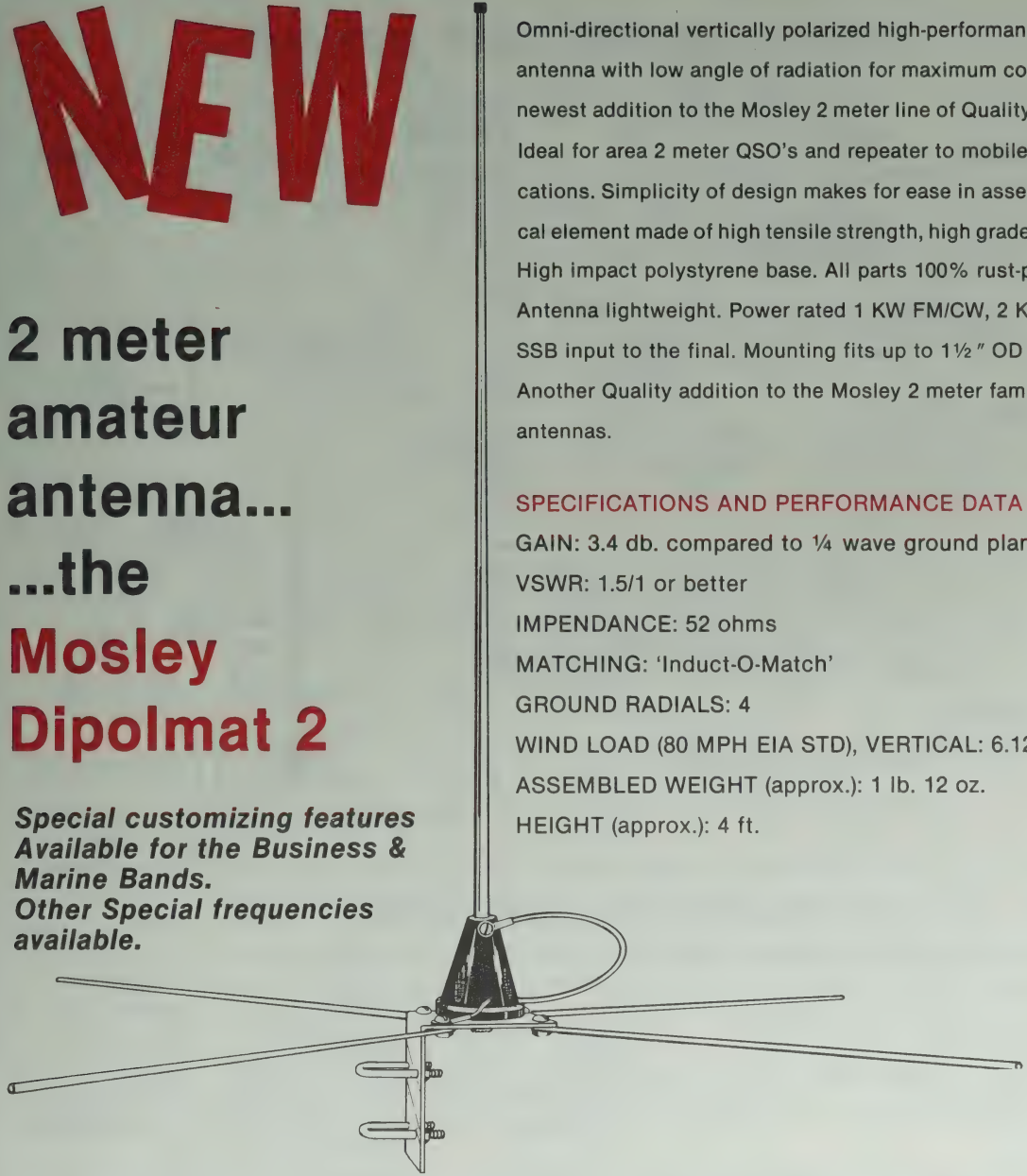
2 meter amateur antenna... ...the Mosley Dipolmat 2

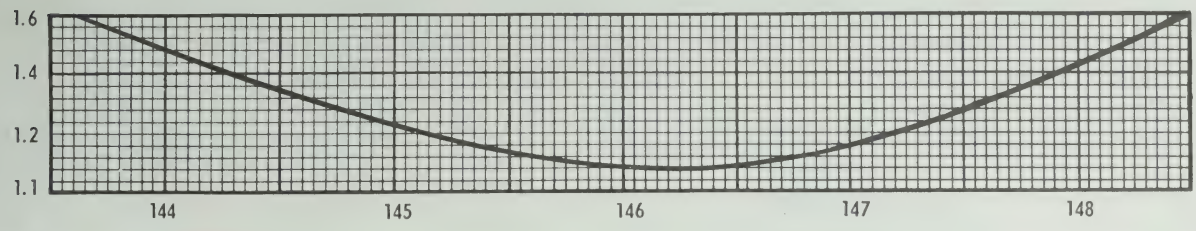
Special customizing features Available for the Business & Marine Bands. Other Special frequencies available.

Omni-directional vertically polarized high-performance 2 meter antenna with low angle of radiation for maximum coverage. the newest addition to the Mosley 2 meter line of Quality antennas! Ideal for area 2 meter QSO's and repeater to mobile communications. Simplicity of design makes for ease in assembly. Vertical element made of high tensile strength, high grade aluminum. High impact polystyrene base. All parts 100% rust-proof. Antenna lightweight. Power rated 1 KW FM/CW, 2 KW P.E.P. SSB input to the final. Mounting fits up to 1½" OD mast. Another Quality addition to the Mosley 2 meter family of antennas.

SPECIFICATIONS AND PERFORMANCE DATA

GAIN: 3.4 db. compared to ¼ wave ground plane
VSWR: 1.5/1 or better
IMPENDANCE: 52 ohms
MATCHING: 'Induct-O-Match'
GROUND RADIALS: 4
WIND LOAD (80 MPH EIA STD), VERTICAL: 6.12 lbs.
ASSEMBLED WEIGHT (approx.): 1 lb. 12 oz.
HEIGHT (approx.): 4 ft.





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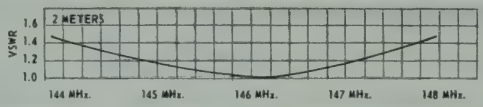
NOW ALL THESE ANTENNAS ARE UPS SHIPPABLE!

VERTICAL GROUND PLANE ANTENNAS

2, 6 & 10 Meters

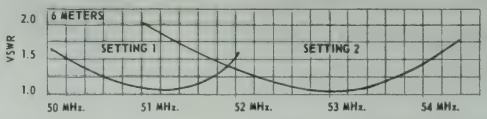
DIPLOMAT-2

A 5/8 wave omni-directional vertically polarized 2 meter antenna with a low angle of radiation for ideal base-to-mobile operation. Features the Mosley "Induct-O-Match" system for loading and impedance matching and Coax Female Connector that is easily fastened to the radial support for a long lasting connection.

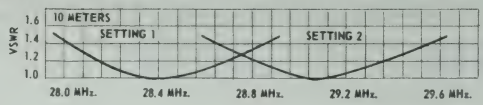


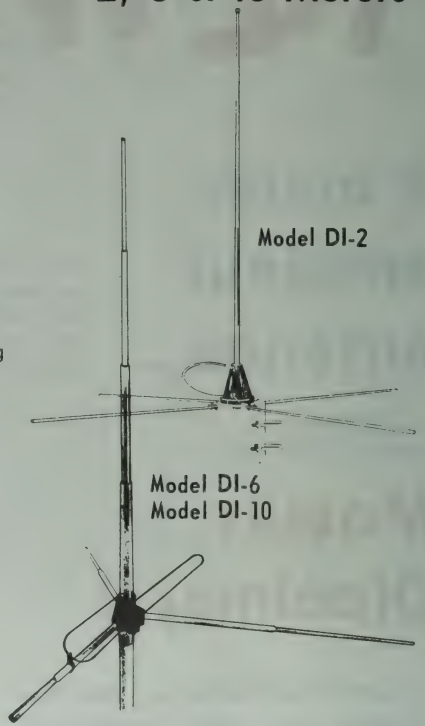
DIPLOMAT-6

For 6 meter VHF (DI-6) and for the popular 10 meter DX band (DI-10), these two omni-directional 5/8 wave vertically polarized antennas feature the Mosley "Induct-O-Match" system for loading and impedance matching using 1.8" aluminum rods, swaged ends to reduce wind load and possibility of metal fatigue, and Coax Female Connector that is easily fastened to the radial support for a long lasting connection. Easy to mount and compact.



DIPLOMAT-10





MODEL		DI-2	DI-6	DI-10
Forward Gain - compared to ¼ wave ground plane		3.4 db.	3.4 db.	3.4 db.
Power Rating	AM/CW	1 KW+	1 KW+	1 KW+
	P.E.P. SSB	2 KW+	2 KW+	2 KW+
Feed Point Impedance		52 ohms	52 ohms	52 ohms
Recommended Transmission Line		RG-8/U	RG-8/U	RG-8/U
VSWR at Resonance		1.5/1 or better	1.5/1 or better	1.5/1 or better
Matching System		"Induct-O-Match"	"Induct-O-Match"	"Induct-O-Match"
Ground Radials		4	3	3
Recommended Mast Size (diameter)		1½" OD	1½" OD	1½" OD
Wind Load (EIA Std. 80 MPH)		6 lbs. 2 ozs.	31 lbs.	41 lbs.
Assembled Weight (approximately)		1 lb. 12 ozs.	4 lbs. 8 ozs.	8 lbs.
Shipping Weight (approximately)		2 lbs. 8 ozs.	5 lbs. 8 ozs.	9 lbs.
Height (approximately)		4 ft.	12 ft.	19 ft.

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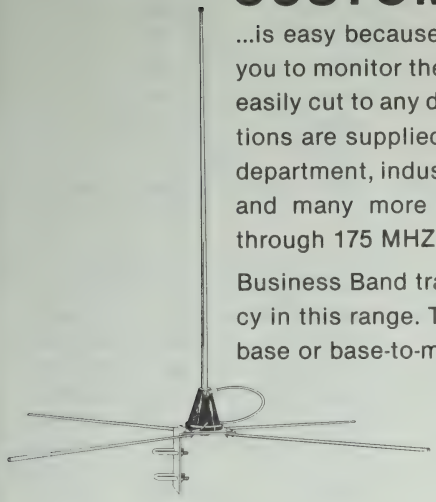
CUSTOMIZING the Diplomat 2 - 6 - 10....

...is easy because you Customize-It-Yourself — a feature of the antenna that permits you to monitor the action of the 20th Century. This remarkable 2 meter antenna may be easily cut to any desired frequency between 150 and 175 MHZ. Simple, concise instructions are supplied with the Diplomat 2. Now you can tune into the police and the fire department, industrial, emergency net, utility, forestry, marine traffic communications, and many more interesting, useful, and informative broadcasts available on 150 through 175 MHZ.

Business Band transmitting and receiving are possible on your own assigned frequency in this range. The Diplomat 2 is ideal for anyone having a need for 2 meter base-to-base or base-to-mobile communications.



— Business Band
— Marine
— Government
— Military

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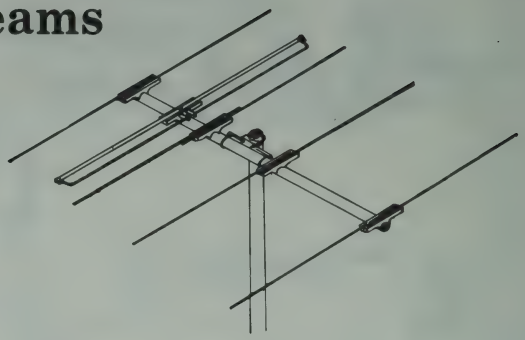
NOW ALL THESE ANTENNAS ARE UPS SHIPPABLE!

Specify MOSLEY
Yagi Beams



High Performance UHF/VHF Yagis
¾, 1¼, 2 Meter Beams

Mosley Yagis

Incorporated in the Mosley five, nine, and fourteen element Yagis are the same high standard of quality construction established by Mosley for over a quarter-century of manufacturing amateur antennas. Rugged yet lightweight, these beams have 1/8 inch OD solid aluminum elements. The unique element-to-boom insulator permits easy adjustment in element length for tuning. Element spacing and length have been carefully engineered to give high forward gain, good front-to-back ratio and broad frequency response. The matching system, incorporated in the radiator element, is a 200 Ohm folded dipole with a 4 to 1 coaxial balun for maximum efficient transfer of RF energy from cable to beam. Antennas will easily handle 1 KW of power, amplitude modulated or 2000 watts P.E.P. (peak envelope power) on single sideband input to the final amplifier. Mounting U-bolts fit mast up to 1¼ inch OD. Antennas come in kit form and like all Mosley antennas, are complete with illustrated instructions and color-coded parts with pre-drilled holes for ease of assembly.

Specifications & Performance Data

MODEL		MY-144-5	MY-144-9	MY-220-9	MY-430-14
Frequency Range (adjustable)		144 to 148 MHz.	144 to 148 MHz.	220 to 225 MHz.	430 to 450 MHz.
Power Rating	AM/CW/FM	1 KW	1 KW	1 KW	1 KW
	P.E.P. SSB.	2 KW	2 KW	2 KW	2 KW
Forward Gain	reference dipole	10 db.	14 db.	14 db.	15 db.
	isotropic source	12 db.	16 db.	16 db.	17 db.
Front-to-Back Ratio		20 db.	20 db.	20 db.	20 db.
Feed Point Impedance (nominal)		52 ohms	52 ohms	52 ohms	52 ohms
Recommended Transmission Line		RG-8/U	RG-8/U	RG-8/U	RG-8/U
VSWR at Resonance (1.5/1 or better)		1.5/1	1.5/1	1.5/1	1.5/1
Matching System		Folded dipole	Folded dipole	Folded dipole	Folded dipole
Number of Elements		5	9	9	14
Maximum Element Length		3 ft. 5 in.	3 ft. 5 in.	27 in.	15 in.
Boom Length		4 ft. 6 in.	9 ft.	8 ft. 2 in.	6 ft. 10 in.
Recommended Mast Size (outer diameter)		1 in. to 1¼ in.	1 in. to 1¼ in.	1 in. to 1¼ in.	1 in. to 1¼ in.
Turning Radius		2 ft. 10 in.	4 ft. 10 in.	4 ft. 2 in.	3 ft. 10 in.
Wind Surface Area		0.4 sq. ft.	0.8 sq. ft.	0.7 sq. ft.	.66 sq. ft.
Wind Load (EIA Std. 80 MPH)		0.8 lbs.	1.6 lbs.	14 lbs.	12 lbs.
Assembled Weight (approximately)		2 lbs.	3.5 lbs.	3.5 lbs.	3.5 lbs.
Shipping Weight (approx.) via U.P.S./P.P.		3 lbs.	4 lbs.	5 lbs.	5 lbs.
Mosley Stock Number		347033	422033	306033	239033

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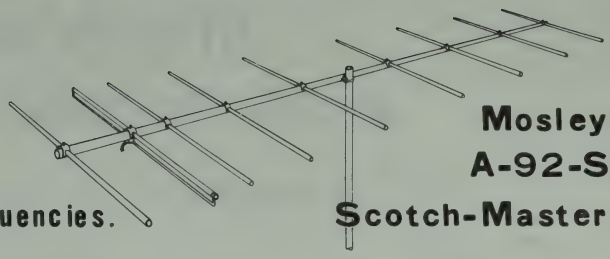
NOW ALL THESE ANTENNAS ARE UPS SHIPPABLE!

Mosley A-92-S



Mosley
A-92-S
Scotch-Master

PERFORMANCE

★ Forward Gain 14 db.

★ Front-to-Back 20 db.

★ SWR 1.5 to 1 or better at resonant frequencies.

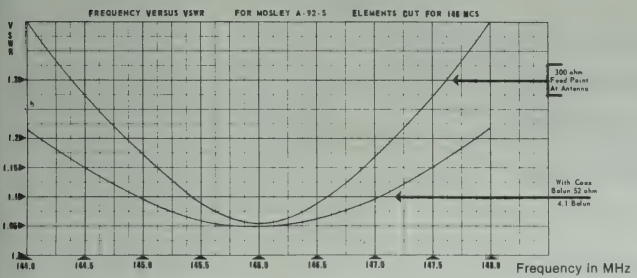
SPECIFICATIONS

★ Boom Length 12 ft. ★ Maximum Element Length 41 in.

★ Wind Load 26 lbs. ★ Wind Surface Area 1.25 sq. ft.

★ Assembled Weight 4 lbs. ★ Turning Radius 6.5 ft.

OUTSTANDING PERFORMANCE ON 2 METERS!



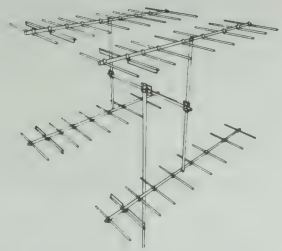
The MOSLEY A-92-S, two meter yagi antenna, cosists of nine elements on one boom and is driven by a folded dipole to provide excellent matching, directivity and forward gain. this outstanding nine element array is designed to provide true beam performance and will handle 1KW of power, amplitude modulated or 2000 watts P.E.P. SSB. The A-92-S comes in kit form and is easily assembled. The mounting U-bolt fits masts up to 1½" O.D.

Mosley A-92-S SCOTCH-MASTER Stacking Kits!

MODEL A-92-S-SK1

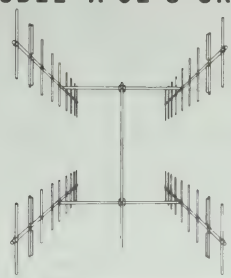
For stacking two horizontally polarized A-92-S beams, one above the other. Comes complete with matching transformer, insulator, phasing line and full instructions. The feed point impendance - 300 ohm balanced line. this stacked array will attain 3 db additional gain over a single horizontally mounted beam.

MODEL A-92-S-SK2H



A kit for stacking four horizontally polarized A-92-S beams, two over two. Comes complete with support members, mounting plates, phasing line, insulators, hardware and full instructions. Feed point impendance - 300 ohm balanced line. This stacked array will attain 6 db additional gain over a single horizontally mounted beam.

MODEL A-92-S-SK2V



Contains all mounting plates, insulators, phasing line, hardware, support members and complete instructions for stacking four A-92-S beams in the vertical plane, two over two. Feed point impendance - 300 ohm balanced line. This stacked array will attain 6 db additional gain over a single vertically mounted beam.

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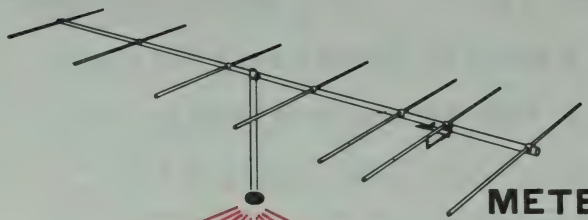
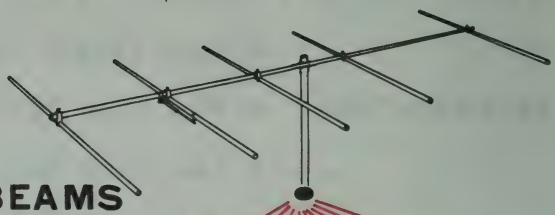
SCOTCH Mosley Antennas MASTER

Mosley Antennas

A-76-S



A-56-S



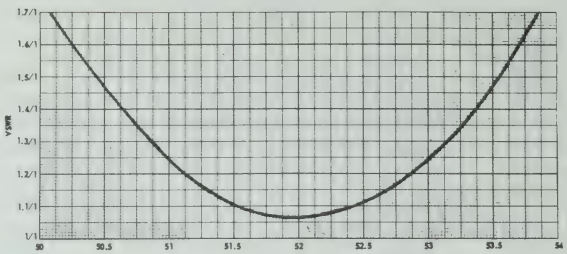
6 METER BEAMS

A-76-S		A-56-S
1.5/1 or better	STANDING WAVE RATIO	1.5/1 or better
12 db.	FORWARD GAIN	10 db.
20 db.	FRONT-TO-BACK RATIO	20 db.
22 ft.	BOOM LENGTH	12 ft.
118 in.	MAX. ELEMENT LENGTH	118 in.
12½ lbs.	ASSEMBLED WT.	7½ lbs.
2.5 sq. ft.	WIND SURFACE AREA	1.25 sq. ft.
13 ft.	TURNING RADIUS	7 ft. 9 in.
51 lbs.	MAXIMUM WIND LOAD	32 lbs.

The MOSLEY A-76-S, 6 meter yagi antenna, consists of seven elements on one boom, "gamma" matched. The antenna provides excellent directivity and forward gain and will easily handle the full legal maximum power.

The antenna comes in kit form and is easily assembled. The mounting U-bolt fits mast up to 1½" O.D. Antenna may be matched to 52 or 72 ohm unbalanced lines.

Typical VSWR curve obtained from field tests.
Antenna cut to operate on 52 MHz.



The MOSLEY A-56-S, 6 meter yagi antenna has five elements mounted on one 12 foot boom. "Gamma" matched to provide excellent directivity and forward gain. The antenna will easily handle the full legal maximum power.

The A-56-S comes in kit form and is easily assembled. Mounting bracket fits mast up to 1½" O.D. Antenna is designed for 52 or 72 ohm unbalanced lines.

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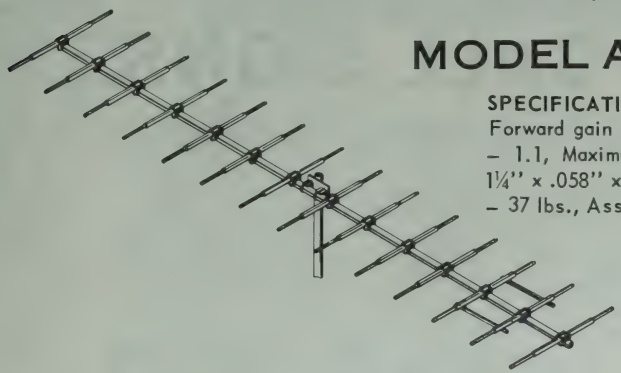
"POWER MASTER" VHF ANTENNAS

* 100% RUST PROOF
* 100% CORROSION PROOF!*
* 5 YEAR GUARANTEE against loss or damage due to weather!

MOSLEY "Power Master" VHF Antennas combine superlative performance with the most rugged construction to be found in any VHF antenna for amateur use. Element sections are 5/8" OD and 1/2" OD establishing an extremely low ratio of length-to-diameter. All metal hardware is stainless steel or other rust-proof material. The element-to-boom clamping blocks are of high-impact polystyrene and are self aligning. A unique matching stub permits antenna to be fed with 52 or 72 ohm coax or with 104 or 300 ohm open line or flat line. Low VSWR over broad bandwidth is maintained.

* When Mosley Antenna Coat is used as directed.



MODEL A-142 14 Elements - 2 Meter

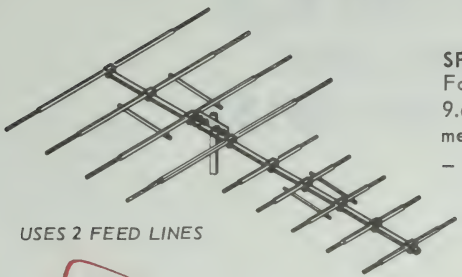
SPECIFICATIONS and PERFORMANCE DATA:
Forward gain – 13 db., Front-to-back – 20 db., SWR – 1.1, Maximum element length – 3' 5", Boom – 1¼" x .058" x 12', Turning radius – 6' 5", Wind load – 37 lbs., Assembled weight – 11½ lbs.

To Stack Use Our
Model SK-2
Stacking Kit for A-142

MODEL A-56 5 Elements - 6 Meter

SPECIFICATIONS and PERFORMANCE DATA:
Forward gain – 11 db., Front-to-back – 20 db., SWR – 1.1, Maximum element length – 9' 8¾", Boom – 1¼" x .058" x 12', Turning radius – 8' 5", Wind load – 38 lbs., Assembled weight – 11½ lbs.

To Stack Use Our
Model SK-6
Stacking Kit for A-56



USES 2 FEED LINES

MODEL A-2N6 5 Elements - 2 Meter plus 4 Elements - 6 Meter

SPECIFICATIONS and PERFORMANCE DATA:
Forward gain – 2 meters - 11.4 db., on 6 meters - 9.6 db., Front-to-back – 2 meters - 11.5 db., on 6 meters - 16.3 db., SWR – 1.1, Maximum element length – 2 meters - 3' 5", on 6 meters - 8', Boom – 1½" x .125" x 14', Turning radius – 8' 9", Wind load – 50 lbs., Assembled weight – 20 lbs.

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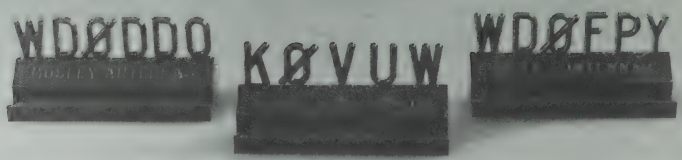
WANT A COLLECTORS ITEM?

MOSLEY CALL SIGNS...



Send $2.00 for postage and handling
to Mosley Call Sign
1344 Baur Blvd.
St. Louis, Mo. 63132

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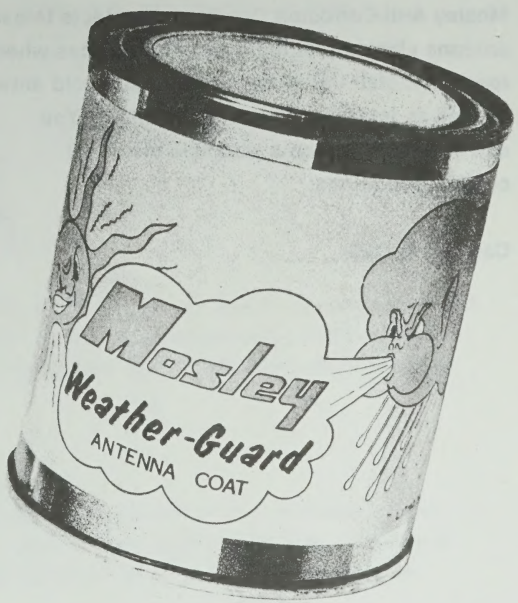
NOW ALL THESE ANTENNAS ARE UPS SHIPPABLE!

Protect your investment

Protect your outdoor antenna with Mosley's Weather Guard - an antenna coat that will add years to the life of your antenna. And that means a savings for you!

Fast-drying Weather Guard is a clear coating compound that protects against the corrosive action of salt water moisture, and ultra-violet radiation. It will not discolor or lose its gloss (no other antenna coat can make this claim). Builder supply manufacturers use Weather Guard to protect aluminum building materials. Guaranteed protection for one year if it is applied according to the directions on the label. For best adhesion, brush application is recommended.



AVAILABLE IN TWO SIZES:
8 oz. can Cat. No. 1746
4 oz. can Cat. No. 2475

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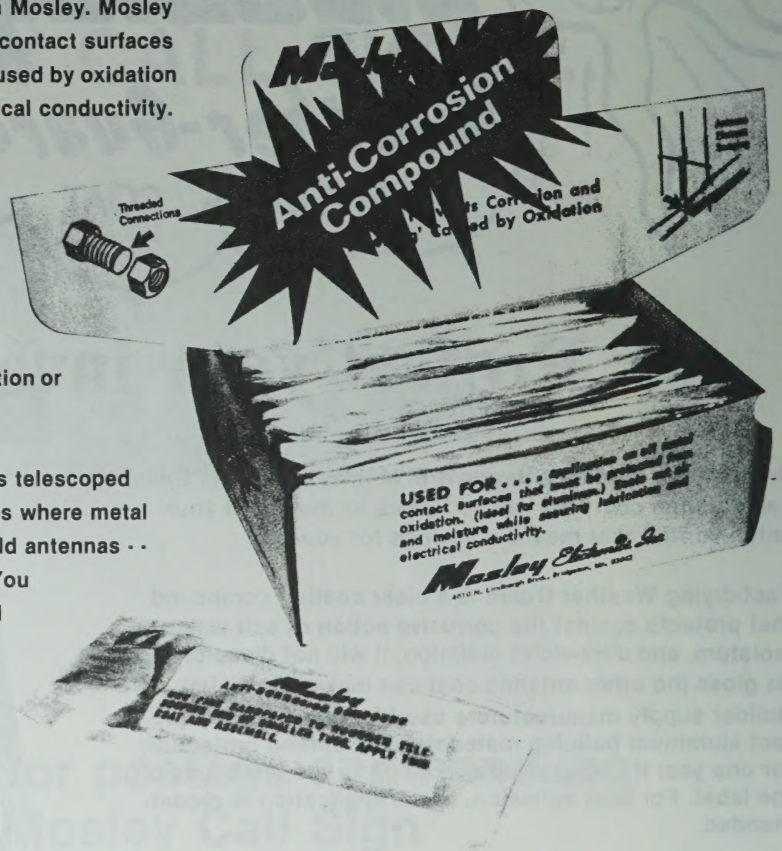
Mosley
ANTI-CORROSION COMPOUND

Here's another antenna life-preserver from Mosley. Mosley Anti-Corrosion Compound protects metal contact surfaces by preventing corrosion and "freezing" caused by oxidation · · · while it assures lubrication and electrical conductivity.

The Compound offers twofold protection. Suspended zinc particles provide a "bridge" which carries the current between the contact surfaces, offsetting the effects of current-resistant oxide film. At the same time the Compound seals out air and moisture to prevent oxidation or corrosion.

Mosley Anti-Corrosion Compound protects telescoped antenna element sections and other places where metal touches metal. Use it for reconditioning old antennas · · as well as for new antenna installations. You can count on it to be a workable mix in all climate conditions.

Cat. No. A-1123


Anti-Corrosion Compound
Threaded Connections
USED FOR · · · application on all types of contact surfaces that must be protected from oxidation. (Ideal for aluminum.) Seals out air and moisture while assuring lubrication and electrical conductivity.
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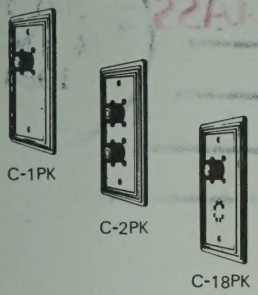
Specify MOSLEY
Antenna Accessories

MOSLEY COAX TERMINATION OUTLETS



C-1PK

One SO-239 coax connector mounted on a decor-blending ivory plate. Includes F-9 mounting brackets and screws.

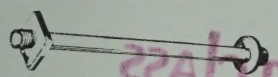
C-2PK

Two SO-239 coax connectors mounted on a decor-blending ivory plate. Includes F-9 mounting brackets and screws.

C-18PK

One SO-239 coax connector and 8-wire rotor receptacle. Includes F-9 mounting brackets and screws and rotor plug.

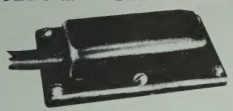
MOSLEY 625-C WALL-THRU



625-C

For use where direct entrance and termination is desired. Accomodates one coax lead. Available in ivory only. Complete with mounting screws.

MOSLEY M-60 UNIVERSAL ROOF-THRU/WALL-THRU



M-60

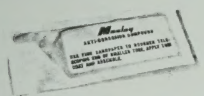
Weatherproof entrance accessory for all types of antenna and rotor lead-in line. Mounts on any sloped roof or on the wall of any non-brick structure. (Hardware included.)

MOSLEY 1746 ANTENNA WEATHER GUARD

1746

Weather Guard, a clear coating compound that protects ferrous and non-ferrous metal surfaces from corrosive action of salt-laden air, moisture and ultra violet radiation. Applies easily with a brush. 1746-8 oz. Can.

MOSLEY A-1123 ANTI-CORROSION COMPOUND



A-1123

A corrosion resistant compound that prevents oxidation - assures electrical conductivity and lubrication of all metal fittings. A workable mix in all temperatures and climate conditions. Use on electrical fittings and "swaged" (tapered ends of aluminum) elements of antennas. Available in 1/2 oz. package.

MOSLEY DPC-1 WEATHERPROOF DIPOLE CONNECTOR

DPC-1

This weatherproof dipole connector will make building a dipole antenna an easier job. Its high strength "Cycolac" construction and corrosion proof hardware add extra durability to the installation at very low cost. Fits RG-8/U diameter to RG-58/U diameter coax lines.

MOSLEY AK-60 MAST PLATE ADAPTER

AK-60

Mast Plate Adapter for adapting your Mosley 1½" mounted beam to fit 2" OD mast. Complete with angle and hardware.

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